

NASA SP-3078

TABLES FOR SUPERSONIC

FLOW OF HELIUM AROUND

RIGHT CIRCULAR CONES

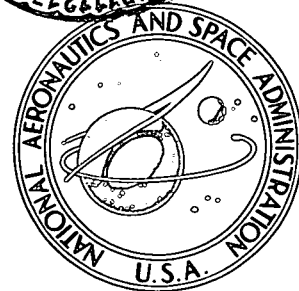
AT ZERO ANGLE OF ATTACK

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TABLES FOR SUPERSONIC

FLOW OF HELIUM AROUND

RIGHT CIRCULAR CONES

AT ZERO ANGLE OF ATTACK

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Foreword

THIS REPORT PRESENTS, in tabular form, the results of the calculation of supersonic flow of helium about right circular cones at zero angle of attack. These calculations were performed using the Taylor-Maccoll theory as contained in reference 3. Numerical integrations were performed using a Runge-Kutta method for second-order differential equations.

Results were obtained for cone angles from 2.5 to 30 deg in regular increments of 2.5 deg. For each of the cone angles, a set of solutions was computed at nominal free-stream Mach numbers from 1.5 to 30.0. The free-stream Mach number was not increased by constant increments, but the same values were used for each cone angle. In all calculations the desired free-stream Mach number was obtained to five or more significant figures.

Tables 1 through 17 are included full size in this report; tables 18 through 230, which give the results for the complete flowfield for each calculation, are on microfiche and may be found in the envelope inside the back cover.

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Introduction

SEVERAL hypersonic wind tunnels are in operation which use helium as a working fluid. Frequently, it is desirable to have theoretical solutions to compare with experimental data for analyses purposes. The supersonic flowfield solution for a sharp-pointed, right-circular cone is probably the most widely accepted theoretical solution in gas dynamics. In addition, conical flow results have been widely used in empirical analyses which provide approximate solutions to the flowfields about more complex configurations. Therefore, it appears that a set of helium flow cone solutions would be useful. Such a set of helium flow cone solutions is a logical extension of the air cone flow results given in references 1 and 2. This set of solutions for helium flow has been obtained and the results for zero angle of attack are presented herein. The results for small angles of attack will be presented in another report.

Basically, the same program which was used to generate the air cone flow solutions was used to generate the helium cone flow solutions. However, since the primary use envisioned for these tables is in conjunction with the helium

flow wind tunnels, the selected free-stream Mach numbers have been biased toward the hypersonic regime. For the present helium flow results, the ideal gas ratio of specific heats of 5:3 has been used as 1.6667.

To have these tables as similar as possible to the tables for air, solutions were computed for the same schedule of cone angles from 2.5 to 30 deg. Also, most of the free-stream Mach numbers that were selected below 20 correspond to Mach numbers that were used in the air cone flow tables. This correspondence of cone angles and Mach numbers of the two sets of tables allows easy, direct comparison of the helium and air solutions. In addition to the series of selected free-stream Mach numbers, a solution was computed for each cone angle which gave the minimum free-stream Mach number for a completely supersonic conical flowfield ($u_s = \sqrt{(\gamma - 1)/(\gamma + 1)}$). This is the lowest free-stream Mach number for which the assumption of a conical flowfield is valid. For cone angles ≥ 25 deg, this minimum free-stream Mach number is > 1.5 . Consequently, for these cone angles, the solutions at a free-stream Mach number of 1.5 were not computed.

Symbols

\bar{a}	speed of sound	V	resultant nondimensional velocity at any conical ray align, \bar{V}/\bar{V}_1
a	nondimensional speed of sound, \bar{a}/\bar{V}_1	\bar{V}	velocity (dimensional)
a^*	critical speed of sound	\bar{V}_1	limiting velocity due to expansion into a vacuum
C_p	pressure coefficient, $-\Delta P/q$	γ	ratio of specific heats, c_p/c_v ; ideal gas value = 1.6667
M_1^*	critical Mach number (see equation (7)), \bar{V}/\bar{a}^*	β	$= \sqrt{M^2 - 1}$
M	Mach number, \bar{V}/\bar{a}	μ	Mach angle, radians
P	pressure	ψ_1	flow direction angle, angle between velocity vector V and cone axis, radians
q	free-stream dynamic pressure, $\rho/2V_\infty^2$	ρ	density
r, x	cylindrical coordinate axes, with origin at tip of cone; x -axis = cone axis	θ	conical ray angle from cone axis, radians
R	universal gas constant	ΔS	increase in entropy
T	absolute temperature		
\bar{u}, \bar{v}	velocity components, dimensional (fig. 1)		
u	nondimensional velocity along conical ray line in spherical coordinate system (fig. 1), \bar{u}/\bar{V}_1		
v	nondimensional velocity normal to conical ray line in spherical coordinate system, \bar{v}/\bar{V}_1		

Subscripts

s	values at cone surface
w	conditions back of shock wave
∞	free-stream condition

Solution of the Equations

THE DERIVATIONS of the basic equations for the conical flow problem are given quite adequately in reference 3 and will not be repeated here. However, much of the discussion given in reference 1 will be repeated for clarity and completeness. The differential equation that is the formulation of the conical flow problem in a spherical coordinate system (fig. 1) is:

$$\frac{d^2 u}{d\theta^2} + u = \frac{a^2(u + v \cot \theta)}{v^2 - a^2} \quad (1)$$

where

$$v = \frac{du}{d\theta} \quad (2)$$

and

$$a^2 = \frac{\gamma-1}{2} (1 - u^2 - v^2) \quad (3)$$

where all velocities are nondimensionalized by dividing them by the limiting velocity attainable by adiabatic expansion into a vacuum. Equations (1), (2), and (3), with appropriate boundary conditions, specify the entire flowfield around a half-infinite cone.

Boundary conditions must be specified at the cone and shock surfaces; conditions at one boundary are specified in functional form and determined in the solution. In the present solution, the cone angle was specified which gives

$$\left. \begin{aligned} \theta &= \theta_s \\ u &= u_s \\ v &= 0 \end{aligned} \right\} \quad (4)$$

at the surface of the cone. The shock wave or upper boundary condition is obtained by requiring the results obtained from the integration of

equation (1) to satisfy the Rankine-Hugoniot equations which can be expressed as

$$\tan \theta = \frac{\gamma-1}{\gamma+1} \frac{u^2-1}{uv} \quad (5)$$

When equation (5) is satisfied by the results from the integration of equation (1), the ray angle equals the shock wave angle, $\theta_w = \theta$, and the free-stream Mach number is given by

$$M_\infty = \sqrt{\frac{2}{\gamma-1} \frac{u^2}{\cos^2 \theta - u^2}} \quad (6)$$

Solutions of equation (1) were obtained using a standard Runge-Kutta integration method for ordinary differential equations. Computation for

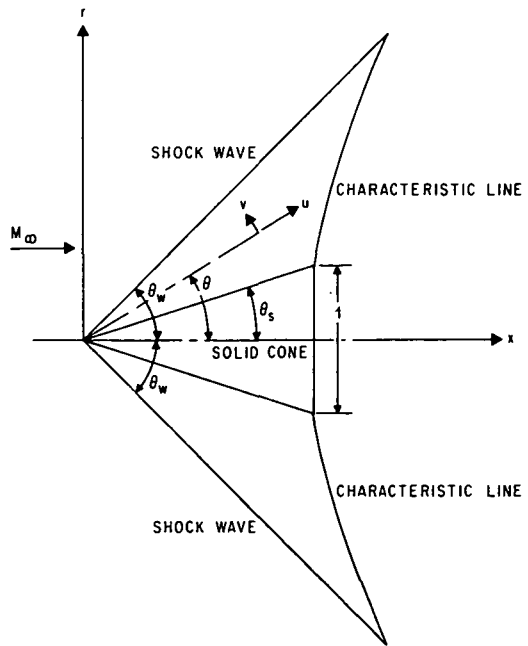


FIGURE 1.—Coordinate system.

each solution started at the solid surface of the cone by specifying values of θ_s and u_s . The basic flowfield solution is complete when the integration from θ_s to θ satisfies the implicit boundary condition given in equation (5). This method of solution does not yield a specific free-stream Mach number without a priori knowledge of the value of u_s that should be specified. Therefore, an external iteration procedure was devised for the computer program which found the value of u_s required to yield a specified free-stream Mach number for a specified cone angle.

Specific calculations were not made to ascertain the accuracy of the helium flow solutions. This was not deemed to be necessary since an extensive investigation had been conducted to determine the general accuracy of airflow solutions. This investigation indicated that the maximum integration error in the tangential velocity component (u) at any ray angle (θ) is less than 5×10^{-6} with a minimum value of u of approximately 0.162. On a percentage basis, this is the absolute worst case. The Rankine-Hugoniot conditions, as represented by equation (5), were satisfied to an accuracy of $\pm 2 \times 10^{-7}$ in all cases.

Integration of equation (1) yields values of u , v , and a at each conical ray angle θ . These results have been transformed into a resultant dimensionless velocity, flow angle, and Mach angle in the following manner:

$$M_1^* = \frac{V}{a^*} = \sqrt{\frac{\gamma+1}{\gamma-1} (u^2 + v^2)} \quad (7)$$

since

$$\frac{V_1}{a^*} = \sqrt{\frac{\gamma+1}{\gamma-1}} \quad (8)$$

and the flow direction angle ψ_1 is

$$\psi_1 = \theta + \tan^{-1} \frac{v}{u} \quad (9)$$

and

$$\mu = \sin^{-1} \sqrt{\frac{a^2}{u^2 + v^2}} \quad (10)$$

However, because of space limitations on the individual pages, the values of the Mach angle, μ , will be presented in the small angle of attack tables.

Discussion of Results

THE FORMAT of the tables for the individual solutions lists the dimensionless velocity and flow angle, which are invariant along the ray lines, and a pair of geometric coordinates (x , r) as a function of the conical ray angle. The geometric coordinates specify the location of a left-running characteristic line emanating from the base of the cone and terminating at the shock wave. These results are in a cylindrical coordinate system that has its origin at the cone vertex and the cone base diameter is assumed to be 1.0. Coordinates of the characteristic line were computed using the basic integration step size during the integration and cannot be duplicated using the tabulated values of the flow variables.

It is possible to ratio the locations of the characteristic points to a cone of any other physical size (same angle) by using a base diameter ratio. Tables for the individual flowfields are printed directly from the computer printout and are in a standard E format. All tabular results are for $\gamma = 1.6667$.

In the tables, the quantities M_1^* , ψ_1 , x , and r are listed as functions of the conical ray angle, starting at the cone surface and terminating at the shock wave; x and r are the coordinates (in the cylindrical coordinate system) of the characteristic start line in cone base diameters, M_1^* is the nondimensional velocity, and ψ_1 is the flow direction angle in radians. The results

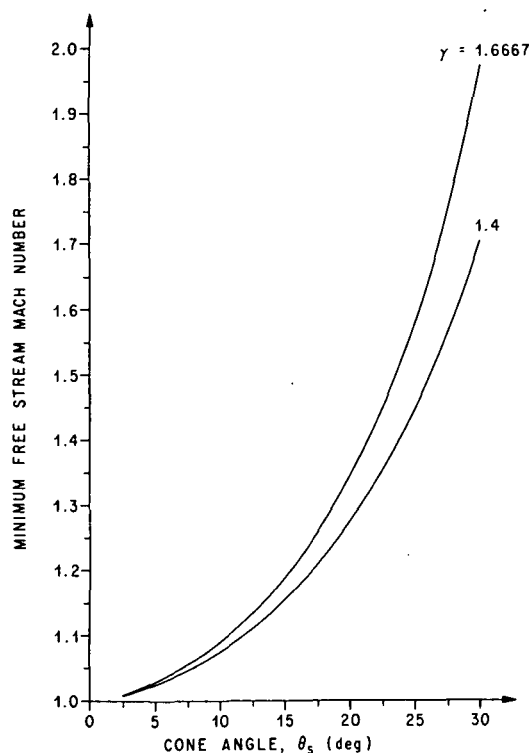


FIGURE 2.—Free-stream Mach number corresponding to sonic surface Mach number for helium and air.

given at the end of each table ($\Delta S/R$, P_s/P_∞ , ρ_s/ρ_∞ , and T_s/T_∞) were computed using the integrated flowfield results along with shock wave and isentropic equations (5). The summary tables (tables 1 through 17) for the surface, shock wave, and minimum free-stream Mach number solutions were tabulated by hand from the individual solution tables and are given in the customary decimal form.

Table 1 gives the minimum free-stream Mach number and a summary of the respective surface results for each cone angle. Tables 2 through 9 summarize the pertinent surface results for all cone angles at each specified free-stream Mach number. The tolerance on the iteration scheme for the free-stream Mach number was selected to yield the specified value with an accuracy of at least five significant figures. Therefore, the summary tables list the nominal or specified free-stream Mach number. However, the exact free-stream Mach number determined in each case is listed at the beginning of each individual

table. Shock-wave angles and flow results immediately behind the shock wave are given in table 10 for the minimum free-stream Mach number solutions. Tables 11 through 17 give shock wave angles and flow parameters immediately behind the shock wave for all solutions in which the free-stream Mach number was specified. Results for the complete flowfield for each calculation are given in tables 18 through 230. In these tables, the results are tabulated, starting at the cone surface and proceeding through the flowfield to the shock wave. The free-stream Mach number listed in each of these tables was computed from the Rankine-Hugoniot equations as given by equation (6).

To gain an insight into the major differences between helium flow and airflow results, some of the present results are compared with corresponding results from reference 1. Figures 2 and 3 present a comparison of the minimum free-stream Mach number and the corresponding surface to free-stream pressure ratios. It is seen from

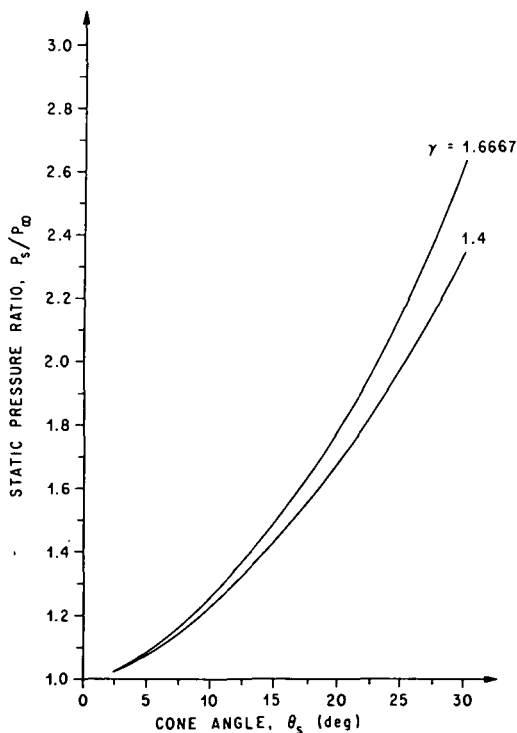


FIGURE 3.—Cone surface to free-stream static pressure ratio at the minimum free-stream Mach number for helium and air.

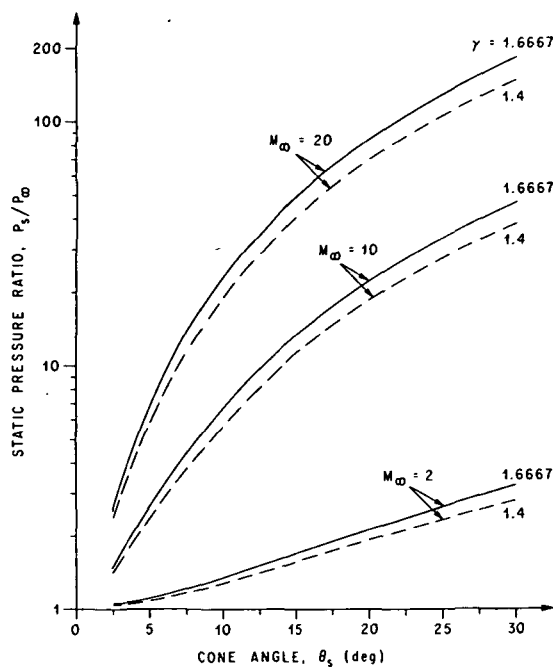


FIGURE 4.—Cone surface to free-stream static pressure ratio at selected free-stream Mach numbers for helium and air.

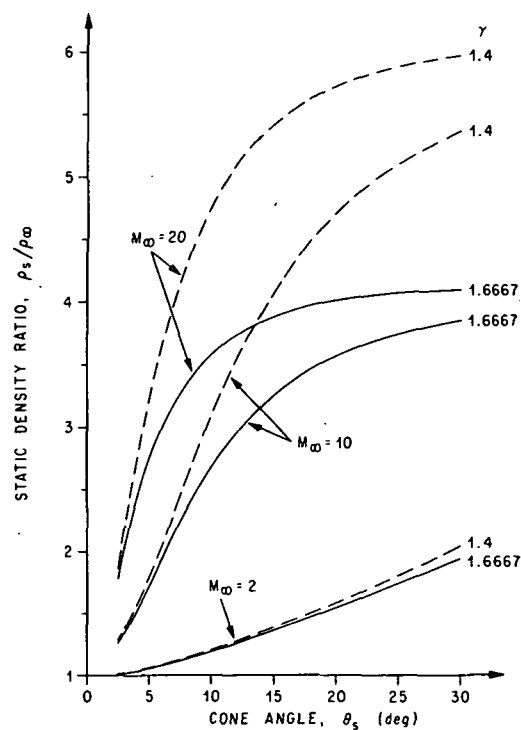


FIGURE 5.—Cone surface to free-stream static density ratio at selected free-stream Mach numbers for helium and air.

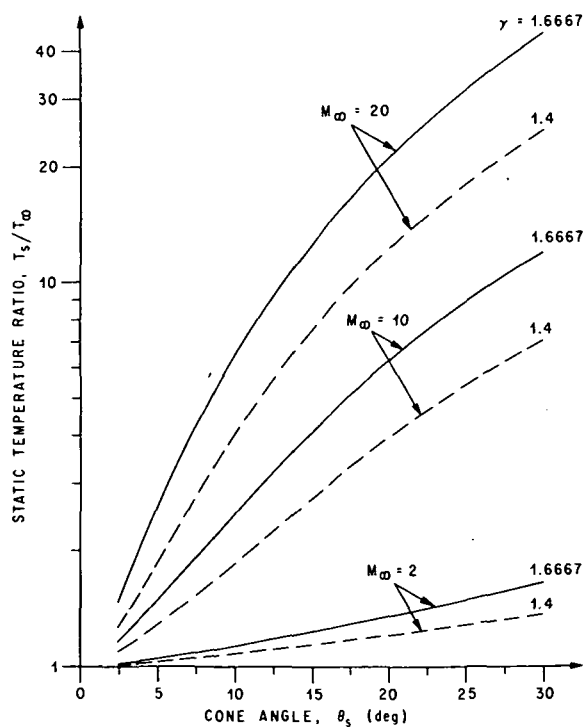


FIGURE 6.—Cone surface to free-stream static temperature ratio at selected free-stream Mach numbers for helium and air.

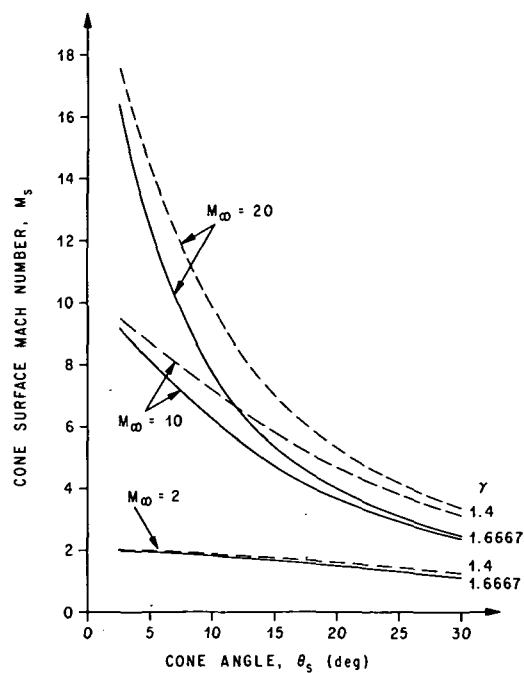


FIGURE 7.—Cone surface Mach number at selected free-stream Mach numbers for helium and air.

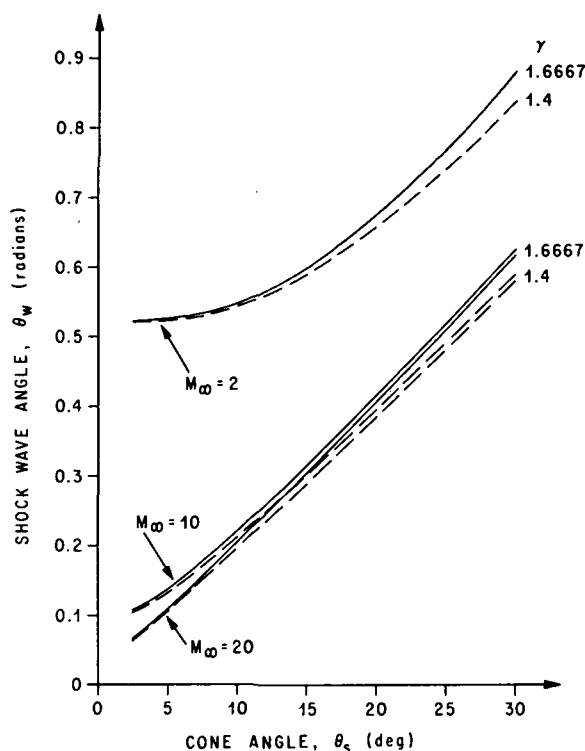


figure 2 that a higher free-stream Mach number is required for the helium flowfield to be entirely supersonic. Also, under these conditions, the helium flow yields a higher surface pressure as shown in figure 3. Figures 4 through 8 compare pertinent results for helium flow and airflow for free-stream Mach numbers of 2, 10, and 20 over the range of cone angles for which solutions were obtained. Figures 4, 5, and 6 present the comparison of surface pressure, density, and temperature ratios, respectively. It is seen that pressures are similar for the two gases, but there are large differences in density and temperature. Also, figure 7 shows that relatively large differences may exist in the surface Mach number. The shock wave angles given in figure 8 show a maximum difference of approximately 2.5 deg.

FIGURE 8.—Conical flow shock wave angles at selected free-stream Mach numbers for helium and air.

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TABLE 1. — Values for Minimum Free-Stream Mach Number

θ_s	M_∞	P_s/P_∞	ρ_s/ρ_∞	T_s/T_∞	$\Delta S/R$	M_{1s}^*	M_s	C_p
2.5	1.0134245	1.0169789	1.0101528	1.0067575	0	1.0000000	1.0000000	.01983807
5.0	1.0423414	1.0549268	1.0326024	1.0216196	0	1.0000000	1.0000000	.06066482
7.5	1.0814963	1.1094174	1.0642812	1.0424101	.00000033	1.0000000	1.0000000	.11225582
10.0	1.1289566	1.1805180	1.1046938	1.0686382	.00000455	1.0000000	1.0000000	.16995681
12.5	1.1837936	1.2700000	1.1541830	1.1003455	.00003650	1.0000000	1.0000000	.23119815
15.0	1.2456277	1.3809329	1.2135779	1.1379022	.00019692	1.0000000	1.0000000	.29460799
17.5	1.3145811	1.5178615	1.2841059	1.1820376	.00078437	1.0000000	1.0000000	.35959316
20.0	1.3913074	1.6871730	1.3673025	1.2339428	.00246623	1.0000000	1.0000000	.42598319
22.5	1.4771237	1.8978707	1.4649891	1.2954846	.00646007	1.0000000	1.0000000	.49380175
25.0	1.5742015	2.1629060	1.5792922	1.3695414	.01471351	1.0000000	1.0000000	.56311426
27.5	1.6858701	2.5015002	1.7127033	1.4605567	.03012508	1.0000000	1.0000000	.63394231
30.0	1.8171784	2.9434415	1.8681925	1.5755558	.05690670	1.0000000	1.0000000	.70623445

TABLE 2.—Values of P_s/P_∞

θ M_∞	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	1.0232159	1.0745277	1.1455636	1.2332915	1.3364749	1.4548319	1.5888432	1.7399299	1.9114321			
2.0	1.0360684	1.1134598	1.2194818	1.3502548	1.5043755	1.6813360	1.8809025	2.1029818	2.3476306	2.6153053	2.9072298	3.2264983
2.5	1.0513699	1.1598375	1.3086335	1.4938257	1.7144398	1.9701484	2.2604788	2.5849456	2.9427356	3.3329899	3.7551657	4.2091364
3.0	1.0687504	1.2126438	1.4113787	1.6616878	1.9632718	2.3159334	2.7189982	3.1711779	3.6710110	4.2165381	4.8058727	5.4373181
4.0	1.1090864	1.3362939	1.6568420	2.0703033	2.5776198	3.1784276	3.8709522	4.6522403	5.5183153	6.4649110	7.4874889	8.5806569
5.0	1.1561534	1.4833703	1.9563093	2.5781175	3.3504457	4.2720355	5.3391268	6.5462733	7.8866630	9.3523279	10.935377	12.627171
6.0	1.2094528	1.6539630	2.3111075	3.1874803	4.2847755	5.5998872	7.1264619	8.8557160	10.777171	12.878821	15.148710	17.573767
8.0	1.3338664	2.0674051	3.1914099	4.7175853	6.6452128	8.9654658	11.664634	14.725590	18.129032	21.851765	25.871673	30.165444
10.0	1.4816294	2.5800821	4.3048638	6.6695741	9.6678960	13.283011	17.492439	22.267416	27.577129	33.385814	39.658131	46.355504
12.5	1.6993700	3.3645023	6.0305715	9.7088604	14.383082	20.024124	26.594169	34.048663	42.338037	51.406712	61.197833	71.651783
15.0	1.9547292	4.3119101	8.1314269	13.417678	20.141879	28.260013	37.716260	48.446447	60.378985	73.431670	87.523451	102.56928
17.5	2.2485569	5.4244491	10.609522	17.797664	26.945949	37.991870	50.859730	65.461216	81.697615	99.459888	118.63621	139.10789
20.0	2.5816568	6.7037899	13.466124	22.849994	34.795166	49.220171	66.024217	85.093087	106.29692	129.49314	154.53491	181.26853
22.5	2.9545939	8.1506331	16.701941	28.574622	43.690427	61.944818	83.210721	107.34209	134.17484	163.53049	195.21914	229.05009
25.0	3.3678814	9.7659290	20.317204	34.972155	53.631537	76.166305	102.41933	132.20831	165.33298	201.57121	240.69276	282.45050
27.5	3.8223886	11.549630	24.312541	42.042945	64.620957	91.885391	123.64908	159.69364	199.77175	243.61983	290.94914	341.47787
30.0	4.3176202	13.502116	28.687463	49.786623	76.652671	109.10099	146.90190	189.79358	237.48982	289.67131	345.99375	406.12439

TABLE 3. — Values of ρ_s/ρ_∞

θ_s M_∞	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	1.0138653	1.0440714	1.0849526	1.1340619	1.1900394	1.2520455	1.3195650	1.3924136	1.4710838			
2.0	1.0214871	1.0666063	1.1264277	1.1973831	1.2773621	1.3646495	1.4575773	1.5545397	1.6540753	1.7549984	1.8564950	1.9583628
2.5	1.0305120	1.0930434	1.1751212	1.2720154	1.3804867	1.4973950	1.6195669	1.7441358	1.8685767	1.9908799	2.1036228	2.2238852
3.0	1.0406997	1.1226343	1.2295639	1.3552207	1.4943952	1.6417639	1.7923375	1.9418705	2.0871654	2.2259162	2.3567247	2.4789013
4.0	1.0640908	1.1899510	1.3528868	1.5408204	1.7415842	1.9442191	2.1403684	2.3245440	2.4937224	2.6468146	2.7839736	2.9060165
5.0	1.0909590	1.2666990	1.4913578	1.7417934	1.9963617	2.2392768	2.4613743	2.6588369	2.8313226	2.9804157	3.1086412	3.2187167
6.0	1.1208612	1.3514996	1.6399253	1.9470887	2.2423020	2.5082627	2.7386551	2.9338018	3.0971981	3.2333894	3.3469312	3.4418443
8.0	1.1886554	1.5396140	1.9483342	2.3386530	2.6731992	2.9445438	3.1593040	3.3280414	3.4608974	3.5661760	3.6503932	3.7184447
10.0	1.2658133	1.7425617	2.2470732	2.6767116	3.0086460	3.2560402	3.4393558	3.5762145	3.6798141	3.7594381	3.8216179	3.8708885
12.5	1.3733451	2.0006200	2.5804855	3.0122452	3.3121205	3.5187882	3.6634622	3.7671151	3.8432159	3.9003775	3.9442191	3.9784798
15.0	1.4906881	2.2487768	2.8590867	3.2634197	3.5221401	3.6908658	3.8046156	3.8840020	3.9411988	3.9835603	4.0157093	4.0406263
17.5	1.6149169	2.4772564	3.0850359	3.4501115	3.6696312	3.8072373	3.8576630	3.9596771	4.0038123	4.0362085	4.0606291	4.0794520
20.0	1.7431864	2.6817220	3.2661106	3.5898927	3.7755273	3.8886335	3.9616200	4.0110874	4.0459918	4.0714511	4.0905576	4.1052242
22.5	1.8728586	2.8613141	3.4109397	3.6958925	3.8534279	3.9473820	4.0072314	4.0474386	4.0756339	4.0961180	4.1114350	4.1231601
25.0	2.0017036	3.0173907	3.5272065	3.7775222	3.9120266	3.9909755	4.0407763	4.0740054	4.0972150	4.1140180	4.1265514	4.1361259
27.5	2.1280613	3.1521389	3.6211935	3.8413737	3.9570636	4.0241197	4.0661001	4.0939863	4.1133932	4.1274068	4.1378396	4.1457948
30.0	2.2502569	3.2682133	3.6977563	3.8920494	3.9922808	4.0498531	4.0856676	4.1093622	4.1258217	4.1376706	4.1464778	4.1531894

TABLE 4. — Values of T_s/T_∞

θ_s M_∞	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	1.0092228	1.0291707	1.0558652	1.0874992	1.1230510	1.1619641	1.2040659	1.2495784	1.2993359			
2.0	1.0142746	1.0439276	1.0826100	1.1276715	1.1777205	1.2320644	1.2904308	1.3528004	1.4193010	1.4902038	1.5659778	1.6475488
2.5	1.0202403	1.0611083	1.1136158	1.1743771	1.2419097	1.3157173	1.3957305	1.4820782	1.5748541	1.6741291	1.7800177	1.8926951
3.0	1.0269537	1.0801770	1.1478693	1.2261382	1.3137568	1.4106373	1.5170124	1.6330533	1.7588501	1.8942933	2.0392169	2.1934388
4.0	1.0422855	1.1229823	1.2246716	1.3436370	1.4800432	1.6348095	1.8085449	2.0013562	2.2128828	2.4425251	2.6894971	2.9527214
5.0	1.0597587	1.1710519	1.3117639	1.4801512	1.6782759	1.9077747	2.1691650	2.4620816	2.7855050	3.1379274	3.5177354	3.9230452
6.0	1.0790389	1.2237984	1.4092761	1.6370494	1.9108825	2.2325761	2.6021758	3.0185122	3.4796518	3.9830715	4.5261493	5.1059158
8.0	1.1221641	1.3428075	1.6380197	2.0172233	2.4858652	3.0447725	3.6921532	4.4247018	5.2382462	6.1275062	7.0873663	8.1123822
10.0	1.1704960	1.4806261	1.9157649	2.4917045	3.2133711	4.0794985	5.0859638	6.2265326	7.4941638	8.8805331	10.377315	11.975417
12.5	1.2373948	1.6817298	2.3369911	3.2231309	4.3425601	5.6906308	7.2592995	9.0383922	11.016305	13.179933	15.515830	18.009840
15.0	1.3112932	1.9174469	2.8440645	4.1115395	5.7186480	7.6567436	9.9132911	12.473333	15.319955	18.433679	21.795266	25.384500
17.5	1.3923669	2.1897004	3.4390273	5.1585767	7.3429585	9.9788556	13.048776	16.531959	20.404957	24.641911	29.216214	34.099652
20.0	1.4809987	2.4998080	4.1229848	6.3650913	9.2159755	12.657447	16.665964	21.214468	26.272156	31.805159	37.778447	44.155573
22.5	1.5775851	2.8485628	4.8965807	7.7314543	11.338068	15.692633	20.765140	26.520993	32.921221	39.923288	47.481996	55.552073
25.0	1.6825076	3.2365477	5.7601403	9.2579616	13.709400	19.084634	25.346449	32.451677	40.352527	48.996192	58.327823	68.288662
27.5	1.7961835	3.6640613	6.7139581	10.944768	16.330533	22.833663	30.409748	39.006882	48.566170	59.024914	70.314264	82.367288
30.0	1.9187233	4.1313450	7.7580732	12.791879	19.200221	26.939492	35.955420	46.185657	57.561825	70.008308	83.442810	97.786148

TABLE 5. — Values of $\Delta S/R$

$\theta_s \backslash M_\infty$	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	0.0	0.0	0.00000041	0.00000906	0.00007857	0.00037763	0.00123995	0.00315394	0.00676087			
2.0	0.0	0.0	0.00000495	0.00008487	0.00056179	0.00212346	0.00566935	0.01206307	0.02197831	0.03587148	0.05404168	0.07678661
2.5	0.0	0.00000055	0.000003885	0.00049214	0.00252308	0.00782540	0.01794304	0.03387924	0.05603285	0.08432426	0.11838251	0.15769906
3.0	0.0	0.00000354	0.00019130	0.00182473	0.00759415	0.02026538	0.04156251	0.07198873	0.11114110	0.15805227	0.21152249	0.27033147
4.0	0.0	0.00006112	0.00175315	0.01073304	0.03328228	0.7239215	0.12776150	0.19716164	0.27760801	0.36612475	0.46007788	0.55722639
5.0	0.00000038	0.00042747	0.00735167	0.03327166	0.08528535	0.16270484	0.26073551	0.37355447	0.49582300	0.62319523	0.75244606	0.88121706
6.0	0.00000301	0.00170928	0.01993781	0.07297093	0.16379614	0.28508362	0.42698318	0.58076409	0.73980698	0.89944530	1.0566502	1.2094700
8.0	0.00005714	0.01058996	0.07322027	0.20295519	0.38258687	0.59010193	0.89886498	1.0283088	1.2423280	1.4475520	1.6424890	1.8266249
10.0	0.00041483	0.03331184	0.16549805	0.38479304	0.64940313	0.92834389	1.2043207	1.4687875	1.7181736	1.9513592	2.1685839	2.3706138
12.5	0.00224689	0.08623824	0.32525519	0.65275636	1.0049974	1.3499846	1.6748677	1.9757473	2.2525752	2.5067764	2.7403346	2.9552608
15.0	0.00726265	0.16605660	0.51727065	0.93781462	1.3563991	1.7473664	2.1044276	2.4283342	2.7220446	2.9888744	3.2320940	3.4545658
17.5	0.01719938	0.26843661	0.72612706	1.2224615	1.6903721	2.1136262	2.4924718	2.8315701	3.1361937	3.4111269	3.6604947	3.8877034
20.0	0.03333086	0.38779309	0.94115999	1.4979818	2.0027010	2.4491205	2.8431888	3.1927336	3.5047926	3.7851838	4.0386545	4.2690343
22.5	0.05634280	0.51886240	1.1556988	1.7605700	2.2931036	2.7565280	3.1615853	3.5185748	3.8358878	4.1201234	4.3764642	4.6090600
25.0	0.08639030	0.65728036	1.3658053	2.0089907	2.5628707	3.0390684	3.4522787	3.8147405	4.1358962	4.4229218	4.6813717	4.9155393
27.5	0.12324093	0.79967967	1.5693365	2.2432829	2.8138432	3.2998131	3.7192044	4.0858132	4.4098512	4.6989843	4.9589692	5.1943572
30.0	0.16639672	0.94355470	1.7652211	2.4640888	3.0477983	3.5414626	3.9656659	4.3354487	4.6617202	4.9524692	5.2136511	5.4499542

TABLE 6.—Values of M_1^* at Cone Surface

θ_s M_∞	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	1.3012260	1.2835878	1.2595946	1.2305622	1.1970898	1.1593432	1.1170748	1.0694952	1.0149458			
2.0	1.5037303	1.4867333	1.4642610	1.4376425	1.4074893	1.3740004	1.3370950	1.2964989	1.2517597	1.2022382	1.1470712	1.0842759
2.5	1.6359693	1.6196819	1.5985179	1.5736696	1.5455825	1.5142955	1.4796254	1.4412784	1.3989057	1.3520868	1.3003063	1.2428212
3.0	1.7242307	1.7087284	1.6888053	1.6654736	1.6389605	1.6091351	1.5757370	1.5384775	1.4970400	1.4510990	1.4002793	1.3440862
4.0	1.8280078	1.8140159	1.7962266	1.7751913	1.7507597	1.7226194	1.6904727	1.6540650	1.6131777	1.5675777	1.5170303	1.4612019
5.0	1.8830040	1.8702965	1.8541063	1.8345439	1.8112548	1.7838995	1.7522210	1.7160282	1.6751597	1.6294570	1.5787250	1.5227212
6.0	1.9151672	1.9035036	1.8884543	1.8698073	1.8471422	1.8201539	1.7886441	1.7524699	1.7115119	1.6656475	1.6147126	1.5585001
8.0	1.9490730	1.9389080	1.9252257	1.9075068	1.8853798	1.8586458	1.8271895	1.7909287	1.7497853	1.7036669	1.6524397	1.5959300
10.0	1.9655767	1.9563652	1.9433663	1.9260268	1.9040767	1.8773920	1.8459037	1.8095538	1.7682810	1.7220083	1.6706130	1.6139316
12.5	1.9765162	1.9680287	1.9554450	1.9382976	1.9164165	1.8897301	1.8581944	1.8217671	1.7803954	1.7340085	1.6824931	1.6256900
15.0	1.9826347	1.9745735	1.9621863	1.9451149	1.9232510	1.8965492	1.8649777	1.8285009	1.7870698	1.7406159	1.6890305	1.6321573
17.5	1.9864103	1.9786079	1.9663202	1.9492809	1.9274185	1.9007020	1.8691053	1.8325959	1.7911264	1.7446307	1.6930019	1.6360848
20.0	1.9889078	1.9812673	1.9690331	1.9520079	1.9301429	1.9034145	1.8717998	1.8352677	1.7937726	1.7472489	1.6955910	1.6386452
22.5	1.9906478	1.9831117	1.9709075	1.9538886	1.9320196	1.9052819	1.8736539	1.8371060	1.7955931	1.7490497	1.6973716	1.6404057
25.0	1.9919093	1.9844420	1.9722557	1.9552394	1.9333667	1.9066216	1.8749838	1.8384244	1.7968983	1.7503407	1.6986482	1.6416675
27.5	1.9928531	1.9854329	1.9732573	1.9562417	1.9343658	1.9076149	1.8759697	1.8394015	1.7978656	1.7512975	1.6995940	1.6426024
30.0	1.9935782	1.9861904	1.9740215	1.9570058	1.9351271	1.9083715	1.8767206	1.8401457	1.7986020	1.7520261	1.7003145	1.6433145

TABLE 7.—Values of M at Cone Surface

θ_s M_∞	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	1.4839205	1.4495506	1.4043568	1.3518877	1.2941311	1.2321577	1.1662947	1.0960925	1.0200789			
2.0	1.9752144	1.9249530	1.8616751	1.7909395	1.7157170	1.6375420	1.5571012	1.4746098	1.3899666	1.3028356	1.2126699	1.1174862
2.5	2.4630341	2.3910819	2.3035354	2.2082811	2.1090693	2.0075866	1.9045626	1.8003500	1.6951701	1.5891076	1.4821032	1.3737603
3.0	2.9470372	2.8476812	2.7302271	2.6051566	2.4767206	2.3466616	2.2159227	2.0852408	1.9551707	1.8261577	1.6984337	1.5719171
4.0	3.9024425	3.7308486	3.5375549	3.3377767	3.1364791	2.9363532	2.7396556	2.5482541	2.3634960	2.1860455	2.0161145	1.8533224
5.0	4.8395312	4.5727468	4.2831395	3.9896149	3.6991560	3.4171363	3.1477283	2.8935297	2.6555850	2.4337544	2.2270545	2.0340627
6.0	5.7570168	5.3728796	4.9672548	4.5632398	4.1724637	3.8037709	3.4623047	3.1496536	2.8649743	2.6060444	2.3699496	2.1536669
8.0	7.5304037	6.8479767	6.1565006	5.4966898	4.8941181	4.3594762	3.8918632	3.4845696	3.1290294	2.8168135	2.5403552	2.2932537
10.0	9.2193237	8.1587526	7.1249086	6.1917076	5.3901391	4.7167624	4.1535407	3.6799588	3.2778260	2.9323237	2.6316616	2.3666615
12.5	11.211498	9.5757001	8.0711305	6.8123823	5.8027583	4.9984721	4.3517276	3.8235291	3.3846686	3.0137849	2.6948567	2.4171325
15.0	13.071864	10.766066	8.7844682	7.2424990	6.0720386	5.1747299	4.4720802	3.9088521	3.4471597	3.0608571	2.7314964	2.4458103
17.5	14.802151	11.757101	9.3232929	7.5464393	6.2542253	5.2906164	4.5496874	3.9631243	3.4865125	3.0902848	2.7540913	2.4635597
20.0	16.404611	12.578218	9.7336723	7.7662141	6.3818773	5.3702098	4.6022902	3.9995721	3.5127720	3.1098264	2.7690394	2.4752707
22.5	17.882987	13.257983	10.049922	7.9288814	6.4741609	5.4269322	4.6394273	4.0251462	3.5311168	3.1234322	2.7794216	2.4833883
25.0	19.241846	13.821449	10.296822	8.0519195	6.5427516	5.4686445	4.6665556	4.0437443	3.5444124	3.1332707	2.7869170	2.4892395
27.5	20.486553	14.290335	10.492144	8.1468341	6.5949586	5.5001416	4.6869386	4.0576691	3.5543445	3.1406084	2.7924984	2.4935928
30.0	21.624560	14.682282	10.648666	8.2213878	6.6355336	5.5244679	4.7026217	4.0683568	3.5619511	3.1462226	2.7967666	2.4969191

TABLE 8.— Values of β at Cone Surface

θ_s M_∞	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	1.0963667	1.0493794	.9860112	.9097255	.8214471	.7198698	.6002027	.4487971	.2013976			
2.0	1.7033707	1.6448234	1.5702974	1.4857538	1.3941610	1.2967436	1.1935510	1.0837315	.9654051	.8350931	.6859798	.4987739
2.5	2.2508969	2.1719284	2.0751567	1.9688843	1.8569258	1.7408055	1.6209129	1.4970839	1.3687957	1.2350153	1.0939058	.9419222
3.0	2.7721883	2.6663249	2.5404999	2.4055854	2.2658652	2.1229274	1.9774513	1.8298167	1.6800870	1.5280222	1.3728354	1.2128162
4.0	3.7721422	3.5943332	3.3932720	3.1844549	2.9727935	2.7608278	2.5506299	2.3438427	2.1415213	1.9439123	1.7506336	1.5603858
5.0	4.7350884	4.4620638	4.1647670	3.8622567	3.5614260	3.2675405	2.9846597	2.7152374	2.4601081	2.2188196	1.9899176	1.7712738
6.0	5.6695010	5.2789995	4.8655545	4.4523205	4.0508584	3.6699691	3.3147480	2.9866901	2.6847864	2.4065468	2.1486416	1.9074279
8.0	7.4637109	6.7745690	6.0747427	5.4049606	4.7908655	4.2432338	3.7611965	3.3379972	2.9649325	2.6333322	2.3352525	2.0637375
10.0	9.1649294	8.0972369	7.0543833	6.1104209	5.2965649	4.6095387	4.0313645	3.5414823	3.1215610	2.7565417	2.4342643	2.1450144
12.5	11.166811	9.5233415	8.0089417	6.7385868	5.7159429	4.8974201	4.2352725	3.6904437	3.2335710	2.8430441	2.5024493	2.2005748
15.0	13.033558	10.719523	8.7273640	7.1731299	5.9891279	5.0771872	4.3588418	3.7787729	3.2989256	2.8928958	2.5418640	2.2320367
17.5	14.768334	11.714496	9.2695087	7.4798894	6.1737617	5.1952499	4.4384294	3.8348864	3.3400254	2.9240144	2.5661292	2.2514721
20.0	16.374104	12.538404	9.6821697	7.7015635	6.3030436	5.2762821	4.4923351	3.8725414	3.3674273	2.9446596	2.5821656	2.2642803
22.5	17.855005	13.220216	10.000047	7.8655680	6.3964646	5.3340035	4.5303737	3.8989488	3.3865596	2.9590250	2.5932960	2.2731514
25.0	19.215844	13.785226	10.248149	7.9895812	6.4658795	5.3764368	4.5581510	3.9181460	3.4004204	2.9694082	2.6013278	2.2795424
27.5	20.462133	14.255303	10.444381	8.0852277	6.5187023	5.4084709	4.5790167	3.9325155	3.4107718	2.9771498	2.6073065	2.2842954
30.0	21.601426	14.648187	10.601608	8.1603442	6.5597489	5.4332076	4.5950681	3.9435424	3.4186979	2.9830716	2.6118773	2.2879259

TABLE 9.—Values of Surface Pressure Coefficient

θ s M _∞	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	.01238157	.03974731	.07763237	.12441964	.17944969	.24257216	.31404343	.39462139	.48608740			
2.0	.01082030	.03403726	.06584322	.10507434	.15130962	.20439671	.26426546	.33088792	.40428109	.48458190	.57215750	.66798613
2.5	.00986282	.03068819	.05925645	.09481264	.13716970	.18626477	.24200709	.30430347	.37299797	.44792510	.52898123	.61614187
3.0	.00916654	.02835194	.05484940	.08822328	.12843367	.17545428	.22919518	.28948460	.35612768	.42886317	.50743954	.59163058
4.0	.00818132	.02522154	.04926216	.08027114	.11831912	.16337880	.21531711	.27391254	.33886687	.40986013	.48655194	.56853790
5.0	.00749521	.02320131	.04590193	.07574813	.11281914	.15705456	.20827392	.26621579	.33055321	.40089940	.47688856	.55809305
6.0	.00698162	.02179833	.04370271	.07291455	.10949033	.15332651	.20421131	.26185196	.32589918	.39595278	.47161423	.55244785
8.0	.00625987	.02001345	.04108811	.06970333	.10584562	.14934950	.19995789	.25734967	.32116293	.39096277	.46633454	.54684114
10.0	.00577944	.01896061	.03965757	.06803353	.10401267	.14739318	.19790531	.25520389	.31891917	.38862200	.46388829	.54425516
12.5	.00537105	.01815901	.03863402	.06688271	.10278001	.14610235	.19655929	.25380866	.31746977	.38711581	.46231011	.54259484
15.0	.00509179	.01766317	.03803352	.06622629	.10208798	.14538383	.19581614	.25304266	.31668159	.38629451	.46144918	.54169199
17.5	.00489221	.01733627	.03765288	.06581810	.10166373	.14494484	.19536483	.25257767	.31619658	.38579429	.46093267	.54114662
20.0	.00474488	.01711110	.03739762	.06554867	.10138347	.14465762	.19506875	.25227422	.31588444	.38547171	.46059552	.54079477
22.5	.00463302	.01694931	.03721867	.06536076	.10119010	.14445890	.19486596	.25206510	.31566738	.38524975	.46036209	.54055237
25.0	.00454624	.01683025	.03708829	.06522523	.10105053	.14431642	.19472122	.25191492	.31551301	.38508902	.46020090	.54037415
27.5	.00447841	.01673957	.03699106	.06512469	.10095024	.14421195	.19461283	.25180636	.31540011	.38497583	.46007538	.54025160
30.0	.00442341	.01666915	.03691588	.06504753	.10086821	.14413177	.19453198	.25171974	.31531345	.38488738	.45998247	.54015505

TABLE 10.—Shock Wave Results for Minimum Free-Stream Mach Number

θ_s	M_∞	θ_w	M_1^*	M	ψ_1	P_w/P_∞	ρ_w/ρ_∞	T_w/T_∞
2.5	1.0134245	1.4099102	1.0095206	1.0127552	.00007991	1.0008422	1.0005052	1.0003368
5.0	1.0423414	1.2918606	1.0283264	1.0383178	.00081526	1.0051398	1.0030807	1.0020528
7.5	1.0814963	1.1961846	1.0504227	1.0690055	.00331290	1.0162885	1.0097412	1.0064842
10.0	1.1289566	1.1187998	1.0719587	1.0996334	.00914235	1.0392619	1.0233732	1.0155259
12.5	1.1837936	1.0579674	1.0900807	1.1259877	.01997225	1.0800176	1.0472533	1.0312859
15.0	1.2456277	1.0121471	1.1031736	1.1453761	.03700450	1.1446001	1.0843197	1.0555928
17.5	1.3145811	.97946664	1.1109001	1.1569597	.06064447	1.2388499	1.1367732	1.0897951
20.0	1.3913074	.95786928	1.1138320	1.1613835	.09055793	1.3689344	1.2061449	1.1349667
22.5	1.4771237	.94538478	1.1129528	1.1600552	.12597486	1.5426228	1.2936933	1.1924177
25.0	1.5742015	.94030194	1.1092931	1.1545417	.16598071	1.7710214	1.4007971	1.2642954
27.5	1.6858701	.94121914	1.1037503	1.1462365	.20969366	2.0710241	1.5292338	1.3542887
30.0	1.8171784	.94702104	1.0970338	1.1362469	.25634526	2.4694158	1.6813798	1.4686841

TABLE 11.—Values of Shock Wave Angle θ_w

θ_s M_∞	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	.72980881	.73101837	.73596156	.74744381	.76699745	.79482573	.83069723	.87478556	.92838226			
2.0	.52372407	.52560388	.53286955	.54806478	.57114084	.60086110	.63603823	.67588059	.72000754	.76841363	.82155880	.88061410
2.5	.41172479	.41481444	.42561089	.44559290	.47313974	.50636184	.54395503	.58513707	.62946333	.67675234	.72704583	.78066448
3.0	.34017425	.34490862	.35959926	.38392805	.41518334	.45133519	.49116692	.53395650	.57930831	.62701923	.67705638	.72956835
4.0	.25342878	.26239745	.28429378	.31519220	.35169780	.39199816	.43509833	.48042115	.52762536	.57655303	.62715304	.67951018
5.0	.20275525	.21643371	.24390927	.27919680	.31910178	.3620791	.40729478	.45427043	.50273708	.55256239	.60373574	.65632886
6.0	.16973546	.18790453	.21950683	.25785279	.30008977	.34487812	.39150335	.43956962	.48886566	.53929635	.59087580	.64368523
8.0	.12995520	.15547041	.19254253	.23479788	.27993695	.32691389	.37520196	.42453192	.47477905	.52590795	.57796730	.63105693
10.0	.10750390	.13825079	.17870819	.22328402	.27007188	.31824681	.36741930	.41740905	.46814787	.51963622	.57194500	.62518789
12.5	.09079879	.12604876	.16921159	.21555177	.26354123	.31256321	.36234947	.41279072	.46386329	.51559588	.56807389	.62142281
15.0	.08052229	.11887137	.16378697	.21121192	.25991410	.30942741	.35956438	.41026139	.46152193	.51339190	.56596518	.61937439
17.5	.07371720	.11430023	.16040956	.20854227	.25769789	.30751919	.3578740	.40872904	.46010541	.51205975	.56469164	.61813819
20.0	.06896481	.11121585	.15816997	.20678689	.25624724	.30627341	.35677233	.40773150	.45918399	.51119379	.56386419	.61733530
22.5	.06550961	.10904035	.15661124	.20557263	.25524693	.30541596	.35601492	.40704622	.45855136	.51059949	.56329654	.61678468
25.0	.06291769	.10745092	.15548418	.20469853	.25452847	.30480093	.35547207	.40655534	.45809837	.51017410	.56289036	.61639069
27.5	.06092357	.10625568	.15464345	.20404875	.25399524	.30434491	.35506987	.40619178	.45776297	.50985917	.56258965	.61609919
30.0	.05935702	.10533512	.15400006	.20355278	.25358886	.30399757	.35476362	.40591503	.45750773	.50961956	.56236093	.61587735

TABLE 12.—Values of P_w/P_∞

θ_∞ M_∞	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	1.0002246	1.0036075	1.0174289	1.0496056	1.1045062	1.1827500	1.2834747	1.4062921	1.5529393			
2.0	1.0005380	1.0086899	1.0403452	1.1073825	1.2111912	1.3481199	1.5142530	1.7067746	1.9239522	2.1650910	2.4306541	2.7231967
2.5	1.0012002	1.0189394	1.0817750	1.2012029	1.3722278	1.5876841	1.8424208	2.1332006	2.4576638	2.8140839	3.2014096	3.6192131
3.0	1.0023837	1.0360852	1.1431172	1.3283669	1.5803502	1.8902242	2.2526594	2.6640073	3.1215918	3.6228746	4.1656833	4.7482227
4.0	1.0072479	1.0957315	1.3233675	1.6719940	2.1235040	2.6690262	3.3032398	4.0217040	4.8198947	5.6934154	6.6378355	7.6480303
5.0	1.0171670	1.1911379	1.5725388	2.1233306	2.8255059	3.6709887	4.6536354	5.7672309	7.0049211	8.3590404	9.8221880	11.386284
6.0	1.0340527	1.3202453	1.8836342	2.6762168	3.6822436	4.8934974	6.3021363	7.8991925	9.6746510	11.617167	13.715649	15.957978
8.0	1.0935009	1.6681306	2.6793089	4.0799113	5.8571353	7.9995934	10.493470	13.822500	16.468640	19.910359	23.627200	27.597711
10.0	1.1890636	2.1239850	3.6997728	5.8791236	8.6478692	11.988299	15.878899	20.292938	25.201692	30.572215	36.371761	42.564931
12.5	1.3558194	2.8367954	5.2891532	8.6850988	13.004161	18.217984	24.291306	31.182797	38.846487	47.231127	56.284410	65.951305
15.0	1.5696388	3.7055199	7.2276605	12.111312	18.326038	25.830053	34.571733	44.491717	55.523719	67.591960	80.621749	94.534687
17.5	1.8265357	4.7295527	9.5161021	16.158625	24.614296	34.825167	46.720898	60.220062	75.231152	91.653857	109.38495	128.31514
20.0	2.1242948	5.9090435	12.154928	20.827506	31.869090	45.203824	60.738596	78.367599	97.971214	119.41817	142.57244	167.29318
22.5	2.4618391	7.2442691	15.144636	26.118207	40.090632	56.965658	76.625125	98.934462	123.74249	150.88414	180.18429	211.46791
25.0	2.8385942	8.7354270	18.485287	32.030994	49.279274	70.111151	94.380913	121.92116	152.54611	186.05129	222.22413	260.83729
27.5	3.2543623	10.382736	22.177224	38.565895	59.436583	84.640855	114.00537	147.32864	184.38224	224.92340	268.68518	315.40878
30.0	3.7090181	12.186204	26.220307	45.722722	70.557949	100.55374	135.49959	175.15339	219.24952	267.49611	319.57361	375.17550

TABLE 13.—Values of ρ_w/ρ_∞

$\frac{\theta}{s}$ M_∞	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	1.0001348	1.0021629	1.0104196	1.0294704	1.0614187	1.1057814	1.1609558	1.2254501	1.2987210			
2.0	1.0003228	1.0052048	1.0159493	1.0630736	1.1215769	1.1952717	1.2797702	1.3715362	1.4678951	1.5669314	1.6674045	1.7688972
2.5	1.0007200	1.0113205	1.0482745	1.1160493	1.2078577	1.3155174	1.4325605	1.5542807	1.6771604	1.7986546	1.9170477	2.0312615
3.0	1.0014295	1.0214956	1.0834791	1.1848745	1.3119895	1.4533965	1.6010051	1.7490815	1.8937035	2.0322071	2.1630073	2.2853238
4.0	1.0043424	1.0563587	1.1822308	1.3554190	1.5504081	1.7507761	1.9460891	2.1300377	2.2992566	2.4525076	2.5898816	2.7121650
5.0	1.0102647	1.1104578	1.3082216	1.5503387	1.8023382	2.0445488	2.2665831	2.4642018	2.6369139	2.7862459	2.9147133	3.0250242
6.0	1.0202930	1.1805772	1.4505443	1.7531978	2.0474135	2.3133309	2.5439366	2.7393452	2.9030056	3.0394360	3.1532016	3.2483253
8.0	1.0550696	1.3536165	1.7542379	2.1435080	2.4782083	2.7498920	2.9649732	3.1339860	3.2670749	3.3725531	3.4569473	3.5251678
10.0	1.1093027	1.5506005	2.0518585	2.4815951	2.8139603	3.0617301	3.2453357	3.3824322	3.4862196	3.5660084	3.6283315	3.6777439
12.5	1.1993037	1.8059670	2.3851665	2.8174408	3.1177757	3.3247707	3.4696914	3.5735375	3.6497897	3.7070818	3.7510487	3.7854318
15.0	1.3068201	2.0533114	2.6639528	3.0688930	3.3280379	3.4970391	3.6109938	3.6905426	3.7478691	3.7903455	3.8226044	3.8476313
17.5	1.4255611	2.2816569	2.8901390	3.2558056	3.4756757	3.6135320	3.7041367	3.7662963	3.8105453	3.8430468	3.8675677	3.8864932
20.0	1.5507244	2.4861795	3.0714064	3.3957260	3.5816943	3.6950191	3.7681670	3.8177538	3.8527612	3.8783216	3.8975196	3.9122877
22.5	1.6786613	2.6659260	3.2163973	3.5018497	3.6596677	3.7538289	3.8138183	3.8541376	3.8824355	3.9030110	3.9184163	3.9302396
25.0	1.8065441	2.8221135	3.3327960	3.5835733	3.7183363	3.7974671	3.8473933	3.8807372	3.9040391	3.9209301	3.9335493	3.9432159
27.5	1.9322513	2.9570055	3.4268753	3.6474822	3.7634117	3.8306410	3.8727471	3.9007358	3.9202310	3.9343311	3.9448459	3.9528919
30.0	2.0541947	3.0732004	3.5035323	3.6982003	3.7986799	3.8563944	3.8923313	3.9161295	3.9326659	3.9446049	3.9534964	3.9602936

TABLE 14.—Values of T_w/T_∞

θ_s M_∞	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	1.0000898	1.0014415	1.0069350	1.0195588	1.0405942	1.0696056	1.1055328	1.1475719	1.1957451			
2.0	1.0002152	1.0034671	1.0159493	1.0416800	1.0799003	1.1278773	1.1832225	1.2444255	1.3106878	1.3817395	1.4577471	1.5394884
2.5	1.0004799	1.0075336	1.0319578	1.0762991	1.1360840	1.2068895	1.2861032	1.3724680	1.4653719	1.5645493	1.6699687	1.7817564
3.0	1.0009528	1.0142826	1.0550432	1.1211034	1.2045449	1.3005564	1.4070282	1.5230893	1.6484058	1.7827290	1.9258757	2.0777024
4.0	1.0028930	1.0372722	1.1193817	1.2335624	1.3696420	1.5244829	1.6973733	1.8880905	2.0962840	2.3214669	2.5629880	2.8198986
5.0	1.0068321	1.0726548	1.2020432	1.3695914	1.5676890	1.7955007	2.0531501	2.3404053	2.6564846	3.0001086	3.3698642	3.7640306
6.0	1.0134860	1.1183049	1.2985706	1.5264774	1.7984856	2.1153469	2.4773166	2.8836061	3.3326326	3.8221454	4.3497534	4.9126785
8.0	1.0364254	1.2323509	1.5273349	1.9033804	2.3634556	2.9090573	3.5391450	4.2509763	5.0407904	5.9036458	6.8347006	7.8287653
10.0	1.0719018	1.3697823	1.8031326	2.3690906	3.0732023	3.9155310	4.8928372	5.9995105	7.2289457	8.5732315	10.024377	11.573653
12.5	1.1305054	1.5707903	2.2175195	3.0826198	4.1709737	5.4794709	7.0009989	8.7260303	10.643486	12.740784	15.004979	17.422400
15.0	1.2011132	1.8046556	2.7131338	3.9464759	5.5065591	7.3862637	9.5740217	12.055603	14.814743	17.832664	21.090790	24.569581
17.5	1.2812749	2.0728589	3.2926105	4.9630189	7.0818736	9.6374313	12.613168	15.989199	19.742883	23.849269	28.282620	33.015659
20.0	1.3698726	2.3767566	3.9574471	6.1334470	8.8977695	12.233719	16.118870	20.527149	25.428831	30.791198	36.580300	42.760959
22.5	1.4665491	2.7173556	4.7085714	7.4584032	10.954719	15.175347	20.091446	25.669675	31.872389	38.658394	45.983959	53.805350
25.0	1.5712842	3.0953493	5.5464803	8.9382834	13.253044	18.462609	24.531132	31.417011	39.073919	47.450804	56.494559	66.148365
27.5	1.6842335	3.5112331	6.4715584	10.573292	15.793272	22.095742	29.437855	37.769448	47.033515	57.169415	68.110437	79.791904
30.0	1.8055825	3.9653138	7.4839633	12.363506	18.574334	26.074549	34.811936	44.726149	55.750863	67.813156	80.833161	94.734263

TABLE 15.— Values of M_1^* Immediately Behind Shock Wave

θ_s M_∞	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	1.3092224	1.3080425	1.3032316	1.2904416	1.2733757	1.2470647	1.2136976	1.1734417	1.1255577			
2.0	1.5117226	1.5098783	1.5027737	1.4880259	1.4658470	1.4375229	1.4041357	1.3662662	1.3240414	1.2772250	1.2251608	1.1665716
2.5	1.6437849	1.6409958	1.6313144	1.6135872	1.5893723	1.5602125	1.5269254	1.4897888	1.4487782	1.4036693	1.3540875	1.2994294
3.0	1.7317536	1.7279011	1.7160661	1.6967113	1.6719435	1.6429817	1.6102557	1.5738072	1.5334814	1.4890416	1.4401789	1.3864688
4.0	1.8347998	1.8288745	1.8146416	1.7946642	1.7705596	1.7427255	1.7111125	1.6755482	1.6358417	1.5917767	1.5431377	1.4896284
5.0	1.8890169	1.8815355	1.8667430	1.8474118	1.8242902	1.7973345	1.7663509	1.7311545	1.6915821	1.6474801	1.5986684	1.5449348
6.0	1.9204255	1.9120102	1.8974510	1.8788824	1.8564793	1.8300349	1.7993506	1.7642724	1.7246756	1.6804445	1.6314313	1.5774585
8.0	1.9530080	1.9440026	1.9303670	1.9128436	1.8911846	1.8651727	1.8346727	1.7995939	1.7598609	1.7153926	1.6660755	1.6117649
10.0	1.9684962	1.9596626	1.9467393	1.9297314	1.9083598	1.8824724	1.8519878	1.8168468	1.7769958	1.7323717	1.6828735	1.6283668
12.5	1.9785525	1.9701513	1.9577454	1.9410267	1.9197867	1.8939350	1.8634238	1.8282152	1.7882669	1.7435234	1.6938931	1.6392467
15.0	1.9840964	1.9760760	1.9639413	1.9473466	1.9261505	1.9002982	1.8697584	1.8345025	1.7944932	1.7496780	1.6999703	1.6452429
17.5	1.9874950	1.9797532	1.9677642	1.9512262	1.9300446	1.9041837	1.8736212	1.8383326	1.7982832	1.7534227	1.7036663	1.6488883
20.0	1.9897394	1.9821917	1.9702843	1.9537738	1.9325957	1.9067257	1.8761460	1.8408346	1.8007580	1.7558669	1.7060781	1.6512666
22.5	1.9913048	1.9838910	1.9720310	1.9555343	1.9343557	1.9078688	1.8778852	1.8425572	1.8024614	1.7575489	1.7077375	1.6529026
25.0	1.9924427	1.9851217	1.9732904	1.9568007	1.9356204	1.9097357	1.8791333	1.8437932	1.8036833	1.7587553	1.7089275	1.6540757
27.5	1.9932970	1.9860411	1.9742277	1.9577417	1.9365592	1.9106691	1.8800590	1.8447097	1.8045892	1.7596495	1.7098095	1.6549451
30.0	1.9939552	1.9867457	1.9749439	1.9584596	1.9372749	1.9113804	1.8807644	1.8454078	1.8052793	1.7603307	1.7104813	1.6556073

TABLE 16. — Values of M Immediately Behind Shock Wave

θ M_∞	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	1.4998414	1.4974785	1.4878933	1.4627864	1.4301024	1.3814265	1.3224396	1.2549363	1.1792343			
2.0	1.9996199	1.9939426	1.9723272	1.9286999	1.8660294	1.7906313	1.7076458	1.6202152	1.5299336	1.4373954	1.3423767	1.2437833
2.5	2.4991212	2.4861212	2.4420343	2.3652144	2.2675879	2.1597074	2.0474983	1.9338296	1.8200067	1.7065278	1.5934465	1.4803731
3.0	2.9980922	2.9717015	2.8937720	2.7755617	2.6386154	2.4953634	2.3513046	2.2087882	2.0687697	1.9316526	1.7974962	1.6660333
4.0	3.9931281	3.9137264	3.7381239	3.5217276	3.2973126	3.0762401	2.8624788	2.6576504	2.4624536	2.2769347	2.1008154	1.9333619
5.0	4.9809565	4.8065906	4.5048450	4.1766123	3.8549501	3.5488829	3.2615296	2.9939536	2.7459676	2.5165583	2.3041361	2.1068770
6.0	5.9565954	5.6457087	5.1993110	4.7485583	4.3226091	3.9289630	3.5697243	3.2441907	2.9500024	2.6839743	2.4425573	2.223235
8.0	7.8515136	7.1670694	6.3927039	5.6745166	5.0347108	4.4756690	3.9913822	3.5722595	3.2080923	2.8894731	2.6082320	2.3575861
10.0	9.6482949	8.4967345	7.3568163	6.3621299	5.5240895	4.8275375	4.2486780	3.7640472	3.3538611	3.0023754	2.6972392	2.4289206
12.5	11.741632	9.9187771	8.2954492	6.9757203	5.9313282	5.1052066	4.4437483	3.9051353	3.4586615	3.0821043	2.7592170	2.4780382
15.0	13.668301	11.105851	9.0019713	7.4008900	6.1971941	5.2790393	4.5622923	3.9890472	3.5200057	3.1282115	2.7947258	2.5059719
17.5	15.438960	12.090914	9.5353243	7.7013563	6.3771445	5.3933782	4.6387655	4.0424422	3.5586532	3.1570489	2.8168099	2.5232687
20.0	17.064140	12.905739	9.9414819	7.9186715	6.5032468	5.4719224	4.6906084	4.0783143	3.5844505	3.1762045	2.8314267	2.5346850
22.5	18.553711	13.579621	10.254443	8.0795156	6.5944250	5.5082724	4.7272217	4.1034866	3.6024729	3.1895436	2.8415801	2.5426172
25.0	19.916596	14.138048	10.498785	8.2011840	6.6622022	5.5690823	4.7539669	4.1217938	3.6155376	3.1991912	2.8489106	2.5483062
27.5	21.161263	14.602515	10.692081	8.2950739	6.7137983	5.6001783	4.7740641	4.1355038	3.6252985	3.2063859	2.8543706	2.5525524
30.0	22.295945	14.990690	10.846998	8.3688177	6.7538964	5.6242027	4.7895306	4.1460251	3.6327775	3.2118921	2.8585447	2.5557963

TABLE 17.—Values of ψ_1 Immediately Behind Shock Wave

θ_s M_∞	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
1.5	.00006701	.00107383	.00515486	.01446251	.02973289	.05023022	.07454307	.10117308	.12870234			
2.0	.00013976	.00225022	.01032315	.02681156	.05086750	.08020943	.11271599	.14682324	.18142133	.21568102	.24887916	.28022521
2.5	.00026394	.00413625	.01745258	.04121277	.07226349	.10739405	.14446347	.18219549	.21979097	.25671795	.29256720	.32693271
3.0	.00044906	.00671197	.02561754	.05534457	.09104895	.12943766	.16873094	.20798386	.24669249	.28453176	.32125733	.35662494
4.0	.00104970	.01341299	.04198285	.07911609	.11929249	.16012546	.20064938	.24046970	.27940843	.31737839	.35428888	.39001580
5.0	.00200491	.02095580	.05592455	.09634470	.13780122	.17889347	.21920586	.25863433	.29715829	.33475873	.37140356	.40700440
6.0	.00331333	.02821262	.06689724	.10854783	.15009056	.19081958	.23063218	.26955985	.30764114	.34488063	.38125695	.41668935
8.0	.00671268	.04019374	.08186143	.12366029	.16444755	.20422643	.24313756	.28128831	.31873304	.35547262	.39147682	.42666094
10.0	.01052277	.04875854	.09089961	.13203638	.17200810	.21105834	.24937062	.28704328	.32411318	.36056605	.39635822	.43139731
12.5	.01502579	.05599584	.09770545	.13799410	.17721482	.21567107	.25352425	.29084432	.32764407	.36389316	.39953446	.43446998
15.0	.01885008	.06077006	.10182794	.14145974	.18017770	.21826168	.25583768	.29294940	.32959180	.36572299	.40127726	.43615287
17.5	.02195856	.06402802	.10448456	.14363615	.18201344	.21985419	.25725281	.29423282	.33077642	.36683407	.40233419	.43717239
20.0	.02445092	.06632702	.10628520	.14508598	.18322555	.22090043	.25817959	.29507157	.33154953	.36755840	.40302258	.43783596
22.5	.02644858	.06799903	.10755708	.14609767	.18406625	.22162358	.25881882	.29564928	.33208149	.36805645	.40349567	.43829180
25.0	.02805809	.06924764	.10848637	.14683042	.18467251	.22214381	.25927801	.29606386	.33246297	.36841341	.40383470	.43861831
27.5	.02936506	.07020189	.10918490	.14737756	.18512383	.22253035	.25961879	.29637132	.33274575	.36867794	.40408575	.43886016
30.0	.03043553	.07094592	.10972253	.14779659	.18546853	.22282524	.25987858	.29660556	.33296113	.36887935	.40427693	.43904418

Microfiche supplement for

NASA SP-3078

This supplement consists of tables 18 through 230 of
**TABLES FOR SUPERSONIC FLOW OF HELIUM
AROUND RIGHT CIRCULAR CONES AT ZERO ANGLE
OF ATTACK (NASA SP-3078), by Joseph L. Sims, George
C. Marshall Space Flight Center, Huntsville, Alabama.**

TABLE 18. CONICAL FLOWFIELD $\theta_s = 2.5 \text{ DEG}$; $M_\infty = 1.0134245$

u_s	M_∞	θ_s	θ_w	
.50000938+00	.10134245+01	.43633230-01	.14099102+01	
θ	M_1^*	ψ_1	x	r
.43633230-01	.10040600+01	.43633230-01	.11451883+02	.50000000+00
.78539796-01	.10004621+01	.24228014-01	.11447169+02	.90091149+00
.11344636+00	.10010129+01	.16746539-01	.11456981+02	.13053576+01
.14835293+00	.10014711+01	.12773152-01	.11474613+02	.17148917+01
.18325949+00	.10018530+01	.10303808-01	.11497581+02	.21309497+01
.21816606+00	.10021789+01	.86167865-02	.11524716+02	.25549669+01
.25307263+00	.10024633+01	.73884428-02	.11555402+02	.29884287+01
.28797919+00	.10027162+01	.64520985-02	.11589318+02	.34329105+01
.31939510+00	.10029229+01	.57798848-02	.11622479+02	.38437654+01
.35081101+00	.10031136+01	.52241534-02	.11658112+02	.42662609+01
.38222692+00	.10032912+01	.47561228-02	.11696253+02	.47018611+01
.41364283+00	.10034580+01	.43559186-02	.11736967+02	.51521744+01
.44505874+00	.10036157+01	.40089861-02	.11780447+02	.56189815+01
.47647465+00	.10037660+01	.37048757-02	.11826805+02	.61042657+01
.50789049+00	.10039099+01	.34354553-02	.11876284+02	.66102496+01
.53581551+00	.10040333+01	.32201409-02	.11923099+02	.70794087+01
.56374052+00	.10041532+01	.30241162-02	.11972813+02	.75688939+01
.59166554+00	.10042701+01	.28446093-02	.12025687+02	.80809071+01
.61959055+00	.10043844+01	.26793107-02	.12082026+02	.86180010+01
.64751557+00	.10044967+01	.25263950-02	.12142181+02	.91830386+01
.67544058+00	.10046074+01	.23842454-02	.12206563+02	.97792639+01
.70336559+00	.10047169+01	.22516549-02	.12275651+02	.10410465+02
.72779998+00	.10048118+01	.21424815-02	.12340401+02	.10994845+02
.75223437+00	.10049064+01	.20390674-02	.12409616+02	.11612654+02
.77666876+00	.10050008+01	.19407943-02	.12483800+02	.12267726+02
.80110314+00	.10050952+01	.18472150-02	.12563540+02	.12964490+02
.82553753+00	.10051899+01	.17578676-02	.12649517+02	.13708062+02
.84997192+00	.10052851+01	.16723350-02	.12742533+02	.14504421+02
.87440631+00	.10053810+01	.15902817-02	.12843535+02	.15360581+02
.89535007+00	.10054641+01	.15224014-02	.12937311+02	.16148277+02
.91629383+00	.10055481+01	.14568716-02	.13038612+02	.16992109+02
.93723759+00	.10056331+01	.13931990-02	.13140423+02	.17899251+02
.95818136+00	.10057195+01	.13313442-02	.13267903+02	.18878140+02
.97912511+00	.10058073+01	.12711585-02	.13398434+02	.19938775+02
.10000689+01	.10058970+01	.12125373-02	.13541675+02	.21093104+02
.10210123+01	.10059885+01	.11549443-02	.13699631+02	.22355498+02
.10384651+01	.10060665+01	.11079609-02	.13844255+02	.23502569+02
.10559179+01	.10061462+01	.10617971-02	.14002504+02	.24748981+02
.10733708+01	.10062276+01	.10163635-02	.14174438+02	.26109334+02
.10908236+01	.10063116+01	.97164512-03	.14368554+02	.27601253+02

TABLE 18. (Concluded)

$$M_{\infty} = .10134245+01$$

$$\Theta_s = .43633230-01$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.11082765+01	.10063977+01	.92755258-03	.14581904+02	.29246216+02
.11257293+01	.10064865+01	.88405609-03	.14820266+02	.31070687+02
.11431821+01	.10065783+01	.84106624-03	.15088364+02	.33107645+02
.11571444+01	.10066541+01	.80700219-03	.15328229+02	.34917836+02
.11711067+01	.10067323+01	.77317655-03	.15594766+02	.36917027+02
.11850689+01	.10068131+01	.73957443-03	.15892722+02	.39137973+02
.11990312+01	.10068967+01	.70613623-03	.16228041+02	.41621543+02
.12129935+01	.10069836+01	.67281723-03	.16608267+02	.44419425+02
.12269557+01	.10070741+01	.63957274-03	.17043125+02	.47597993+02
.12409180+01	.10071686+01	.60634315-03	.17545369+02	.51243975+02
.12513897+01	.10072425+01	.58139861-03	.17976335+02	.54353344+02
.12618614+01	.10073192+01	.55636466-03	.18464091+02	.57853318+02
.12723331+01	.10073991+01	.53124130-03	.19020723+02	.61825207+02
.12828048+01	.10074826+01	.50595403-03	.19662028+02	.66374923+02
.12932765+01	.10075701+01	.48044324-03	.20409063+02	.71643186+02
.13037482+01	.10076621+01	.45467913-03	.21290550+02	.77821250+02
.13142199+01	.10077595+01	.42851269-03	.22346740+02	.85176194+02
.13212011+01	.10078277+01	.41081011-03	.23175673+02	.90916779+02
.13281822+01	.10078990+01	.39286911-03	.24131421+02	.97504954+02
.13351633+01	.10079737+01	.37458539-03	.25245907+02	.10515049+03
.13421445+01	.10080524+01	.35595894-03	.26562887+02	.11414010+03
.13491256+01	.10081356+01	.33685565-03	.28144090+02	.12487707+03
.13561067+01	.10082241+01	.31720102-03	.30079641+02	.13794834+03
.13630879+01	.10083189+01	.29683113-03	.32506777+02	.15424479+03
.13700690+01	.10084216+01	.27555227-03	.35645942+02	.17519243+03
.13770501+01	.10085342+01	.25305152-03	.39876703+02	.20323750+03
.13840313+01	.10086599+01	.22885203-03	.45917726+02	.24299294+03
.13910124+01	.10088043+01	.20214915-03	.55332191+02	.30444740+03
.13979935+01	.10089786+01	.17121434-03	.72383094+02	.41469922+03
.14049741+01	.10092138+01	.13080239-03	.11555359+03	.69045350+03
.14099102+01	.10095206+01	.79914927-04	.29131221+03	.17950238+04

$$.19455911-07 = \Delta S/R$$

$$.10169789+01 = P_s/P_{\infty}$$

$$.10101528+01 = \rho_s/\rho_{\infty}$$

$$.10067575+01 = T_s/T_{\infty}$$

TABLE 19. CONICAL FLOWFIELD $\theta_s = 2.5$ DEG; $M_\infty = 1.5$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.65062521+00	.14999987+01	.43633230-01	.72980881+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.43633230-01	.13012260+01	.43633230-01	.11451803+02	.50000000+00
.64577170-01	.13015249+01	.29470949-01	.11714925+02	.75757005+00
.85521109-01	.13019808+01	.22222143-01	.11997593+02	.10285562+01
.10646505+00	.13024146+01	.17805844-01	.12299516+02	.13144386+01
.12740899+00	.13028044+01	.14825804-01	.12621550+02	.16168572+01
.14835293+00	.13031531+01	.12674132-01	.12965207+02	.19376623+01
.16929687+00	.13034671+01	.11043577-01	.13332487+02	.22789627+01
.18805915+00	.13037239+01	.98827146-02	.13683576+02	.26040932+01
.20682143+00	.13039614+01	.89251362-02	.14057692+02	.29496088+01
.22558371+00	.13041826+01	.81200041-02	.14457283+02	.33177980+01
.24434599+00	.13043902+01	.74321218-02	.14885201+02	.37112958+01
.26310826+00	.13045860+01	.68363361-02	.15344776+02	.41331542+01
.28187054+00	.13047718+01	.63140541-02	.15839903+02	.45869289+01
.29845116+00	.13049287+01	.59025176-02	.16310694+02	.50178223+01
.31503178+00	.13050799+01	.55300295-02	.16816520+02	.54802449+01
.33161240+00	.13052259+01	.51905997-02	.17361700+02	.59781096+01
.34819302+00	.13053675+01	.48794225-02	.17951299+02	.65160002+01
.36477364+00	.13055053+01	.45924373-02	.18591303+02	.70993243+01
.38135426+00	.13056397+01	.43263324-02	.19288817+02	.77345045+01
.39575322+00	.13057542+01	.41100234-02	.19947776+02	.83341060+01
.41015217+00	.13058669+01	.39058328-02	.20663155+02	.89845903+01
.42455113+00	.13059780+01	.37123822-02	.21442841+02	.96930745+01
.43895009+00	.13060879+01	.35284460-02	.22296272+02	.10468067+02
.45334905+00	.13061968+01	.33529103-02	.23234829+02	.11319830+02
.46774801+00	.13063051+01	.31849109-02	.24272367+02	.12260848+02
.47996531+00	.13063966+01	.30475445-02	.25242908+02	.13140618+02
.49218260+00	.13064880+01	.29144585-02	.26309613+02	.14107083+02
.50439987+00	.13065795+01	.27851388-02	.27487902+02	.15174127+02
.51661706+00	.13066713+01	.26591122+02	.28796689+02	.16358781+02
.52883425+00	.13067636+01	.25360584-02	.30259434+02	.17682165+02
.54105145+00	.13068565+01	.24155229-02	.31905581+02	.19170780+02
.55108700+00	.13069336+01	.23101364-02	.33421029+02	.20540624+02
.56112255+00	.13070115+01	.22219494-02	.35111463+02	.22068061+02
.57115810+00	.13070904+01	.21267459-02	.37009548+02	.23782471+02
.58119366+00	.13071704+01	.20322427-02	.39156641+02	.25721050+02
.59122921+00	.13072518+01	.19381866-02	.41605884+02	.27931585+02
.60126476+00	.13073348+01	.18443018-02	.44426744+02	.30476530+02
.60971837+00	.13074012+01	.17707571-02	.46952426+02	.32754379+02
.61697259+00	.13074689+01	.16969442-02	.49819835+02	.35339622+02
.62482649+00	.13075382+01	.16226768-02	.53104125+02	.38299771+02

TABLE 19. (Concluded)

$$M_{\infty} = .14799987+01$$

$$\Theta_s = .43633230-01$$

Θ	M_1^*	ψ_1	x	r
.63268040+00	.13076693+01	.15477538-02	.56904261+02	.41723803+02
.64053431+00	.13076825+01	.14718696-02	.61353366+02	.45731244+02
.64838822+00	.13077582+01	.13947487-02	.66634818+02	.50486820+02
.65406049+00	.13078146+01	.13380721-02	.71109448+02	.54514732+02
.65973276+00	.13078727+01	.12803674-02	.76285741+02	.59173078+02
.66540503+00	.13079327+01	.12214482-02	.82344237+02	.64623935+02
.67107730+00	.13079950+01	.11610612-02	.89533521+02	.71090434+02
.67674956+00	.13080599+01	.10988936-02	.98205715+02	.78888596+02
.68242183+00	.13081278+01	.10345578-02	.10887679+03	.88481421+02
.688591246+00	.13081714+01	.99366158-03	.11676226+03	.95568423+02
.68940309+00	.13082166+01	.95159560-03	.12595664+03	.10383022+03
.69289371+00	.13082635+01	.90818852-03	.13681847+03	.11358842+03
.69638434+00	.13083125+01	.86317211-03	.14985106+03	.12529442+03
.69987497+00	.13083639+01	.81631541-03	.16578461+03	.13960302+03
.70336559+00	.13084182+01	.76718628-03	.18572032+03	.15750161+03
.70685622+00	.13084759+01	.71527064-03	.21140236+03	.18055390+03
.71034685+00	.13085379+01	.65989792-03	.24577108+03	.21139555+03
.71383747+00	.13086056+01	.59996545-03	.29420991+03	.25485149+03
.71732810+00	.13086807+01	.53381920-03	.36777715+03	.32083101+03
.72081863+00	.13087670+01	.45844167-03	.49349556+03	.43354439+03
.72430848+00	.13088721+01	.36738813-03	.76037630+03	.67271984+03
.72779834+00	.13090203+01	.23983419-03	.17451840+04	.15727090+04
.72980881+00	.13092224+01	.67010522-04	.20471296+05	.18313075+05

$$.15617843-07 = \Delta S/R$$

$$.10232159+01 = P_s/P_{\infty}$$

$$.10138653+01 = \rho_s/\rho_{\infty}$$

$$.10492228+01 = T_s/T_{\infty}$$

TABLE 20. CONICAL FLOWFIELD $\theta_s = 2.5$ DEG; $M_\infty = 2.0$

u_s	M_∞	θ_s	θ_w	
.75187923+00	.19999964+01	.43633230-01	.52372407+00	
θ	M_1^*	ψ_1	x	r
.43633230-01	.15037303+01	.43633230-01	.11451883+02	.50000000+00
.58032189-01	.15039250+01	.32798504-01	.11736595+02	.68186590+00
.72431147-01	.15042720+01	.26249108-01	.12042896+02	.87380935+00
.86830106-01	.15046377+01	.21849978-01	.12371099+02	.10768915+01
.10122906+00	.15049883+01	.18683457-01	.12722380+02	.12922918+01
.11562802+00	.15053160+01	.16289349-01	.13098487+02	.15213381+01
.13002698+00	.15056206+01	.14411248-01	.13501657+02	.17655409+01
.14442594+00	.15059038+01	.12894908-01	.13934609+02	.20266297+01
.15707957+00	.15061373+01	.11782201-01	.14342214+02	.22715826+01
.16977332+00	.15063578+01	.10826979-01	.14777873+02	.25326639+01
.18238683+00	.15065670+01	.99963732-02	.15244556+02	.28116521+01
.19504046+00	.15067662+01	.92660338-02	.15745713+02	.31105946+01
.20769409+00	.15069568+01	.86174607-02	.16285347+02	.34318594+01
.22034772+00	.15071396+01	.80363750-02	.16868143+02	.37782035+01
.23300135+00	.15073157+01	.75116195-02	.17499597+02	.41528555+01
.24390965+00	.15074627+01	.70976056-02	.18087950+02	.45014482+01
.25481796+00	.15076058+01	.67140833-02	.18722148+02	.48767518+01
.26572626+00	.15077455+01	.63571781-02	.19407893+02	.52820997+01
.27663456+00	.15078822+01	.60235560-02	.20151876+02	.57214019+01
.28754286+00	.15080163+01	.57103224-02	.20962009+02	.61992791+01
.29845116+00	.15081480+01	.54150783-02	.21847721+02	.67212332+01
.30935946+00	.15082779+01	.51356815-02	.22820326+02	.72938640+01
.31852244+00	.15083858+01	.49118586-02	.23714409+02	.78198355+01
.32768541+00	.15084928+01	.46968609-02	.24689178+02	.83928580+01
.33684839+00	.15085991+01	.44898167-02	.25756266+02	.90197113+01
.34601136+00	.15087050+01	.42898990-02	.26929667+02	.97085471+01
.35517433+00	.15088106+01	.40962994-02	.28226369+02	.10469257+02
.36433731+00	.15089161+01	.39082877-02	.29667188+02	.11313962+02
.37350028+00	.15090219+01	.37251934-02	.31277926+02	.12257679+02
.38091793+00	.15091078+01	.35801306-02	.32728262+02	.13106932+02
.38833557+00	.15091942+01	.34374818-02	.34332274+02	.14045697+02
.39575322+00	.15092813+01	.32969043-02	.36116089+02	.15089166+02
.40317086+00	.15093691+01	.31580590-02	.38112092+02	.16256176+02
.41058851+00	.15094579+01	.30205660-02	.40361005+02	.17570399+02
.41800615+00	.15095479+01	.28840415-02	.42914705+02	.19061990+02
.42542380+00	.15096394+01	.27480833-02	.45840361+02	.20769986+02
.43109611+00	.15097105+01	.26442334-02	.48382661+02	.22253525+02
.43676843+00	.15097829+01	.25402196-02	.51244782+02	.23923048+02
.44244075+00	.15098567+01	.24357977-02	.54491736+02	.25816314+02
.44811307+00	.15099320+01	.23307167-02	.58207557+02	.27982116+02

TABLE 20. (concluded)

$M_\infty = .19999964+01$		$\Theta_s = .43633230-01$		
$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.45378538+00	.15100093+01	.22246242-02	.62502742+02	.30484607+02
.45945770+00	.15100887+01	.21171793-02	.67525723+02	.33409940+02
.46513002+00	.15101705+01	.20079315-02	.73480594+02	.36876558+02
.46905700+00	.15102290+01	.19309558-02	.78296247+02	.39678983+02
.47298399+00	.15102890+01	.18526204-02	.83824568+02	.42895173+02
.47691098+00	.15103509+01	.17727055-02	.90238127+02	.46625217+02
.48083797+00	.15104148+01	.16908608-02	.97770435+02	.51004529+02
.48476496+00	.15104813+01	.16067289-02	.10674565+03	.56221051+02
.48869195+00	.15105505+01	.15198328-02	.11762750+03	.62543613+02
.49261894+00	.15106232+01	.14295541-02	.13110409+03	.70371023+02
.49480060+00	.15106653+01	.13776310-02	.14008250+03	.75584372+02
.49698226+00	.15107088+01	.13242587-02	.15044006+03	.81597267+02
.49916392+00	.15107540+01	.12691990-02	.16252522+03	.88611572+02
.50134557+00	.15108010+01	.12121797-02	.17681579+03	.96904055+02
.50352721+00	.15108501+01	.11529177-02	.19398538+03	.10686485+03
.50570885+00	.15109017+01	.10909438-02	.21501618+03	.11906271+03
.50789049+00	.15109563+01	.10257214-02	.24140007+03	.13436145+03
.51007213+00	.15110145+01	.95649809-03	.27552173+03	.15414157+03
.51225329+00	.15110779+01	.88230520-03	.32144116+03	.18075304+03
.51443445+00	.15111473+01	.80142915-03	.38675468+03	.21859106+03
.51661561+00	.15112250+01	.71126223-03	.48750501+03	.27694019+03
.51879676+00	.15113154+01	.60686469-03	.664887615+03	.37962116+03
.52097792+00	.15114284+01	.47675520-03	.10695594+04	.41377851+03
.52315908+00	.15116074+01	.27158856-03	.32676723+04	.18846762+04
.52372407+00	.15117226+01	.13975799-03	.11907216+05	.68766237+04

$$.19648812-07 = \Delta S/R$$

$$.10360684+01 = P_s/P_\infty$$

$$.10214871+01 = \rho_s/\rho_\infty$$

$$.10142746+01 = T_s/T_\infty$$

TABLE 21. CONICAL FLOWFIELD $\theta_s = 2.5$ DEG; $M_\infty = 2.5$

u_s	M_∞	θ_s	θ_w	
.81800000+00	.25000089+01	.43633230+01	.41172479+00	
θ	M_1^*	ψ_1	x	r
.43633230+01	.16359693+01	.43633230+01	.11451883+02	.50000000+00
.54541532+01	.16361040+01	.34899912+01	.11738411+02	.64086650+00
.65449834+01	.16363690+01	.29057113+01	.12046542+02	.78957192+00
.76358136+01	.16366693+01	.24861271+01	.12376944+02	.94692141+00
.87266438+01	.16369721+01	.21693831+01	.12730915+02	.11138103+01
.98174740+01	.16372656+01	.19211909+01	.13110245+02	.12912459+01
.10821038+00	.16375239+01	.17355835+01	.13483541+02	.14647808+01
.11824602+00	.16377704+01	.15801996+01	.13882271+02	.16492169+01
.12828165+00	.16380055+01	.14479456+01	.14308872+02	.18457012+01
.13831729+00	.16382297+01	.13337793+01	.14766178+02	.20555431+01
.14835293+00	.16384442+01	.12340194+01	.15257483+02	.22802451+01
.15751590+00	.16386323+01	.11531686+01	.15738999+02	.24998517+01
.16667888+00	.16388137+01	.10804102+01	.16255430+02	.27348099+01
.17584185+00	.16389891+01	.10144632+01	.16810689+02	.29868712+01
.18500482+00	.16391591+01	.95429681+02	.17409316+02	.32580634+01
.19416780+00	.16393242+01	.89906976+02	.18056613+02	.35507478+01
.20245811+00	.16394699+01	.85277930+02	.18689369+02	.38363748+01
.21074842+00	.16396125+01	.80953613+02	.19372442+02	.41442491+01
.21903872+00	.16397523+01	.76897256+02	.20112132+02	.44771676+01
.22732903+00	.16398897+01	.73077716+02	.20915863+02	.48384188+01
.23561934+00	.16400249+01	.69466606+02	.21792421+02	.52318749+01
.24383699+00	.16401444+01	.66392943+02	.22646978+02	.56150456+01
.25045463+00	.16402627+01	.63452385+02	.23577146+02	.60316529+01
.25787228+00	.16403800+01	.60630143+02	.24593550+02	.64864143+01
.26528993+00	.16404965+01	.57914443+02	.25708915+02	.69849543+01
.27270757+00	.16406127+01	.55293664+02	.26938616+02	.75340649+01
.27925255+00	.16407148+01	.53051189+02	.28133462+02	.80671365+01
.28579753+00	.16408170+01	.50867014+02	.29447516+02	.86529109+01
.29234251+00	.16409192+01	.48734657+02	.30899772+02	.92977712+01
.29888749+00	.16410218+01	.46647862+02	.32513510+02	.10017988+02
.30543248+00	.16411250+01	.44599958+02	.34317582+02	.10820286+02
.31110479+00	.16412151+01	.42851903+02	.36062810+02	.11595856+02
.31677711+00	.16413059+01	.41124485+02	.38007454+02	.12459466+02
.32244943+00	.16413977+01	.39413609+02	.40198173+02	.13427272+02
.32812174+00	.16414907+01	.37713908+02	.42651235+02	.14519657+02
.33379406+00	.16415851+01	.36021434+02	.45455962+02	.15762745+02
.33859371+00	.16416663+01	.34590922+02	.48152655+02	.16957217+02
.34339337+00	.16417490+01	.33157952+02	.51209433+02	.18310417+02
.34819302+00	.16418334+01	.31718761+02	.54704490+02	.19856750+02
.35299267+00	.16419197+01	.30268990+02	.58740356+02	.21641409+02

TABLE 21. (Concluded)

$$M_{\infty} = .25000089+01$$

$$\Theta_s = .43633230-01$$

Θ	M_1^*	ψ_1	x	r
.35779233+00	.16420083+01	.28803013-02	.63455495+02	.23725025+02
.36171931+00	.16420828+01	.27587861-02	.67948230+02	.25709370+02
.36564630+00	.16421593+01	.26353672-02	.73161764+02	.28010926+02
.36957329+00	.16422383+01	.25096051-02	.79287166+02	.30713655+02
.37350028+00	.16423202+01	.23808815-02	.86590270+02	.33934338+02
.37742727+00	.16424054+01	.22485182-02	.95452412+02	.37840449+02
.38048159+00	.16424744+01	.21423921-02	.10377683+03	.41507748+02
.38353592+00	.16425462+01	.20329170-02	.11377191+03	.45909076+02
.38659024+00	.16426215+01	.19193813-02	.12600621+03	.51293924+02
.38964457+00	.16427007+01	.18007904-02	.14134251+03	.58040813+02
.39269889+00	.16427850+01	.16758889-02	.16115939+03	.66754367+02
.39488053+00	.16428493+01	.15820712-02	.17929764+03	.74726165+02
.39706215+00	.16429178+01	.14832951-02	.20228837+03	.84826493+02
.39924378+00	.16429912+01	.13781637-02	.23243624+03	.98065338+02
.40142540+00	.16430708+01	.12647100-02	.27381384+03	.11622697+03
.40360702+00	.16431587+01	.11399463-02	.33439708+03	.14280478+03
.40491600+00	.16432170+01	.10576695-02	.38666455+03	.16572446+03
.40622497+00	.16432809+01	.96772984-03	.45982088+03	.19779213+03
.40753394+00	.16433526+01	.86705387-03	.57027967+03	.24619112+03
.40884292+00	.16434362+01	.75004250-03	.75884457+03	.32877414+03
.41015189+00	.16435412+01	.60342252+03	.11675296+04	.50765564+03
.41146087+00	.16437099+01	.36831945+03	.31044170+04	.13546718+04
.41172479+00	.16437849+01	.26393682+03	.59062957+04	.25791810+04

$$-.13620593-07 = \Delta S/R$$

$$.10513699+01 = P_s/P_{\infty}$$

$$.10305120+01 = \rho_s/\rho_{\infty}$$

$$.10202403+01 = T_s/T_{\infty}$$

TABLE 22. CONICAL FLOWFIELD $\theta_s = 2.5$ DEG; $M_\infty = 3.0$

u_s	M_∞	θ_s	θ_w	
.86213154+00	.29999968+01	.43633230-01	.34017425+00	
θ	M_1^*	ψ_1	x	r
.43633230-01	.17242307+01	.43633230-01	.11451883+02	.50000000+00
.51487207-01	.17243118+01	.36973153-01	.11705704+02	.60322711+00
.59341185-01	.17244874+01	.32061410-01	.11976526+02	.71153664+00
.67195162-01	.17247024+01	.28280003-01	.12264931+02	.82538661+00
.75049140-01	.17249320+01	.25272369-01	.12571832+02	.94528054+00
.82903117-01	.17251645+01	.22818012-01	.12898426+02	.10717762+01
.90757094-01	.17253940+01	.20773085-01	.13246174+02	.12054959+01
.98611072-01	.17256178+01	.19039679-01	.13616808+02	.13471374+01
.10559238+00	.17258113+01	.17704158-01	.13967098+02	.14803250+01
.11257370+00	.17259990+01	.16524334-01	.14338691+02	.16210128+01
.11955501+00	.17261813+01	.15472865-01	.14733438+02	.17698969+01
.12653632+00	.17263581+01	.14528403-01	.15153446+02	.19277611+01
.13351764+00	.17265299+01	.13674054-01	.15601118+02	.20954912+01
.14049895+00	.17266969+01	.12896242-01	.16079189+02	.22740924+01
.14748026+00	.17268596+01	.12183944-01	.16590799+02	.24647109+01
.15358891+00	.17269986+01	.11607260-01	.17068789+02	.26423870+01
.15969756+00	.17271348+01	.11068681-01	.17577967+02	.28312683+01
.16580621+00	.17272684+01	.10563847-01	.18121471+02	.30324929+01
.17191486+00	.17273996+01	.10089003-01	.18702887+02	.32473589+01
.17802351+00	.17275287+01	.96408874-02	.19326328+02	.34773536+01
.18413216+00	.17276558+01	.92166476-02	.19996534+02	.37241896+01
.19024081+00	.17277813+01	.88137873-02	.20719002+02	.39898490+01
.19547679+00	.17278876+01	.84837861-02	.21384675+02	.42342778+01
.20071278+00	.17279929+01	.81666261-02	.22098094+02	.44959059+01
.20594876+00	.17280974+01	.78611001-02	.22864624+02	.47766667+01
.21118475+00	.17282013+01	.75662248-02	.23690484+02	.50787973+01
.21642073+00	.17283045+01	.72809942-02	.24582905+02	.54048996+01
.22165672+00	.17284074+01	.70045330-02	.25550352+02	.57580179+01
.22689270+00	.17285100+01	.67359842-02	.26602812+02	.61417402+01
.23125602+00	.17285954+01	.65176599-02	.27553278+02	.64879326+01
.23561934+00	.17286809+01	.63038953-02	.28579030+02	.68612147+01
.23998266+00	.17287664+01	.60942248-02	.29689483+02	.72649669+01
.24434599+00	.17288522+01	.58862535-02	.30895707+02	.77031612+01
.24870931+00	.17289383+01	.56855679-02	.32210808+02	.81804991+01
.25307263+00	.17290249+01	.54857582-02	.33650401+02	.87025809+01
.25743595+00	.17291120+01	.52884705-02	.35233276+02	.92761428+01
.26092660+00	.17291822+01	.51321052-02	.36617890+02	.97774879+01
.26441726+00	.17292530+01	.49769096-02	.38122666+02	.10321978+02
.26790792+00	.17293244+01	.48225746-02	.39764168+02	.10915547+02
.27139857+00	.17293966+01	.46689361-02	.41562162+02	.11565271+02

TABLE 22. (Concluded)

$$M_{\infty} = .29999968+01$$

$$\Theta_s = .43633230-01$$

\underline{e}	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.27488923+00	.17294696+01	.45157261-02	.43540460+02	.12279674+02
.27837989+00	.17295435+01	.43626390-02	.45728004+02	.13069112+02
.28187054+00	.17296185+01	.42094812-02	.48160323+02	.13946297+02
.28448854+00	.17296757+01	.40943176-02	.50171362+02	.14671126+02
.28710653+00	.17297336+01	.39787628-02	.52367331+02	.15462206+02
.28972452+00	.17297923+01	.38626716-02	.54775373+02	.16329240+02
.29234251+00	.17298521+01	.37458837-02	.57428240+02	.17283930+02
.29496051+00	.17299129+01	.36281906-02	.60365848+02	.18340538+02
.29757850+00	.17299749+01	.35093576-02	.63637396+02	.19516636+02
.30019649+00	.17300382+01	.33891574-02	.67304210+02	.20834125+02
.30194182+00	.17300812+01	.33081733-02	.70005806+02	.21804369+02
.30368715+00	.17301250+01	.32263137-02	.72945144+02	.22859611+02
.30543248+00	.17301695+01	.31435341-02	.76155586+02	.24011752+02
.30717780+00	.17302149+01	.30597150-02	.79677140+02	.25275065+02
.30892313+00	.17302612+01	.29747523-02	.83558146+02	.26666792+02
.31066846+00	.17303086+01	.28884374-02	.87857612+02	.28207979+02
.31241379+00	.17303571+01	.28006360-02	.92648433+02	.29924613+02
.31415912+00	.17304068+01	.27110949-02	.98021605+02	.31849134+02
.31590445+00	.17304579+01	.26196614-02	.10409245+03	.34022639+02
.31764977+00	.17305106+01	.25260523-02	.11100931+03	.36497985+02
.31939508+00	.17305655+01	.24301000-02	.11896634+03	.39344332+02
.32114038+00	.17306225+01	.23313090-02	.12822319+03	.42654150+02
.32288568+00	.17306819+01	.22291020-02	.13913519+03	.46553946+02
.32463098+00	.17307439+01	.21228343-02	.15220265+03	.51221807+02
.32637627+00	.17308091+01	.20117909-02	.16815398+03	.56916925+02
.32812157+00	.17308781+01	.18948391-02	.18809526+03	.64032780+02
.32986687+00	.17309519+01	.17705634-02	.21379603+03	.73198656+02
.33161217+00	.17310318+01	.16368814-02	.24828605+03	.85491632+02
.33335747+00	.17311195+01	.14904961-02	.29725346+03	.10293310+03
.33510277+00	.17312187+01	.13260096-02	.37289718+03	.12985635+03
.33684807+00	.17313360+01	.11326633-02	.50757225+03	.17774900+03
.33859336+00	.17314886+01	.88219717-03	.83120434+03	.29271277+03
.34017425+00	.17317536+01	.44906139-03	.31456184+04	.11133380+04

$$.36641723-07 = \Delta S/R$$

$$.10687504+01 = P_s/P_{\infty}$$

$$.10406997+01 = \rho_s/\rho_{\infty}$$

$$.10269537+01 = T_s/T_{\infty}$$

TABLE 23. CONICAL FLOWFIELD $\theta_s = 2.5$ DEG; $M_\infty = 4.0$

u_s	M_∞	θ_s	θ_w	
.91402105+00	.39999850+01	.43633230-01	.25342878+00	
θ	M_1^*	ψ_1	x	r
.43633230-01	.18280078+01	.43633230-01	.11451883+02	.50000000+00
.50178211-01	.18280701+01	.37937567-01	.11742100+02	.58969255+00
.56723192-01	.18282115+01	.33539382-01	.12054508+02	.68450447+00
.63268173-01	.18283920+01	.30028994-01	.12390453+02	.78496893+00
.69813155-01	.18285912+01	.27153695-01	.12751696+02	.89168525+00
.75921804-01	.18287844+01	.24896903-01	.13113592+02	.99752486+00
.82030453-01	.18289797+01	.22957298-01	.13501522+02	.11100269+01
.88139102-01	.18291744+01	.21268508-01	.13917963+02	.12299032+01
.94247751-01	.18293669+01	.19781427-01	.14365803+02	.13579677+01
.99920068-01	.18295430+01	.18548556-01	.14812709+02	.14850323+01
.10559238+00	.18297182+01	.17434361-01	.15292729+02	.16208241+01
.11126470+00	.18298865+01	.16420402-01	.15809494+02	.17663336+01
.11693702+00	.18300539+01	.15491769-01	.16367236+02	.19227076+01
.12217300+00	.18302059+01	.14699715-01	.16922702+02	.20778458+01
.12740899+00	.18303557+01	.13961958-01	.17521821+02	.22445962+01
.13264497+00	.18305031+01	.13271727-01	.18169886+02	.24243794+01
.13788096+00	.18306495+01	.12623228-01	.18873105+02	.26188587+01
.14268061+00	.18307819+01	.12061149-01	.19572416+02	.28117102+01
.14748026+00	.18309132+01	.11526568-01	.20330891+02	.30203348+01
.15227992+00	.18310435+01	.11016490-01	.21156396+02	.32468301+01
.15707957+00	.18311732+01	.10528248-01	.22058282+02	.34936872+01
.16144289+00	.18312906+01	.10101303-01	.22953849+02	.37382701+01
.16580621+00	.18314077+01	.96887406-02	.23931857+02	.40048177+01
.17016953+00	.18315248+01	.92890188-02	.25004372+02	.42965350+01
.17453285+00	.18316420+01	.89006964-02	.26185970+02	.46172910+01
.17845984+00	.18317478+01	.85598137-02	.27357296+02	.49346767+01
.18238683+00	.18318541+01	.82260910-02	.28647120+02	.52835736+01
.18631382+00	.18319611+01	.78985952-02	.30074686+02	.56690784+01
.19024081+00	.18320689+01	.75763389-02	.31663700+02	.60974647+01
.19373146+00	.18321657+01	.72935745-02	.33235412+02	.65205255+01
.19722212+00	.18322635+01	.70134997-02	.34983757+02	.69904413+01
.20071278+00	.18323627+01	.67354627-02	.36940891+02	.75157058+01
.20420343+00	.18324634+01	.64586811-02	.39147418+02	.81070367+01
.20725776+00	.18325529+01	.62169135-02	.41323219+02	.86893345+01
.21031208+00	.18326441+01	.59748068-02	.43774058+02	.93443923+01
.21336641+00	.18327373+01	.57318024-02	.46556890+02	.10087217+02
.21642073+00	.18328326+01	.54870583-02	.49745819+02	.10937322+02
.21903872+00	.18329163+01	.52752532-02	.52876076+02	.11770759+02
.22165672+00	.18330023+01	.50608814-02	.56458232+02	.12723406+02
.22427471+00	.18330907+01	.48431605-02	.60600637+02	.13823745+02

TABLE 23. (Concluded)

$$M_{\infty} = .39999850+01$$

$$\Theta_s = .43633230-01$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.22689269+00	.18331823+01	.46212114-02	.65450035+02	.15110324+02
.22907432+00	.18332619+01	.44323206-02	.70176065+02	.16362752+02
.23125594+00	.18333444+01	.42388402-02	.75696417+02	.17824125+02
.23343756+00	.18334301+01	.40397570-02	.82237059+02	.19553696+02
.23561919+00	.18335197+01	.38338304-02	.90121019+02	.21636117+02
.23736449+00	.18335947+01	.36629736-02	.97709830+02	.23638465+02
.23910978+00	.18336732+01	.34855343-02	.10682030+03	.26039947+02
.24085508+00	.18337560+01	.32999851-02	.11798317+03	.28979402+02
.24260038+00	.18338440+01	.31043813-02	.13201741+03	.32670951+02
.24390936+00	.18339142+01	.29493831-02	.14520237+03	.36135666+02
.24521833+00	.18339889+01	.27854778-02	.16163961+03	.40451066+02
.24652730+00	.18340691+01	.26103035-02	.18278464+03	.45997035+02
.24783628+00	.18341567+01	.24203360-02	.21116226+03	.53432158+02
.24870893+00	.18342204+01	.22828169-02	.23632068+03	.60017682+02
.24958158+00	.18342897+01	.21336824-02	.26934417+03	.68654822+02
.25045422+00	.18343667+01	.19688532-02	.31502049+03	.80590372+02
.25132687+00	.18344547+01	.17810427-02	.38341944+03	.98445159+02
.25219952+00	.18345609+01	.15552416-02	.50090873+03	.12907725+03
.25307217+00	.18347068+01	.12460798-02	.77680798+03	.20089573+03
.25342878+00	.18347998+01	.10497048-02	.10896747+04	.28222299+03

$$.18160790-07 = \Delta S/R$$

$$.11090864+01 = P_s/P_{\infty}$$

$$.10640908+01 = \rho_s/\rho_{\infty}$$

$$.10422855+01 = T_s/T_{\infty}$$

TABLE 24. CONICAL FLOWFIELD $\theta_s = 2.5$ DEG; $M_\infty = 5.0$

u_s	M_∞	θ_s	θ_w	
.94151965+00	.49999942+01	.43633230-01	.20275525+00	
θ	M_1^*	ψ_1	x	r
.43633230-01	.18830040+01	.43633230-01	.11451883+02	.50000000+00
.47996551-01	.18830347+01	.39664337-01	.11693811+02	.56169395+00
.52359872-01	.18831104+01	.36347271-01	.11951263+02	.62633909+00
.56723192-01	.18832143+01	.33526385-01	.12225143+02	.69419383+00
.61086513-01	.18833361+01	.31092407-01	.12516539+02	.76554414+00
.65449834-01	.18834692+01	.28966191-01	.12826729+02	.84070804+00
.69813155-01	.18836092+01	.27088905-01	.13157200+02	.92004082+00
.74176475-01	.18837534+01	.25415833-01	.13509666+02	.10039414+01
.78539796-01	.18838999+01	.23912350-01	.13886100+02	.10928594+01
.82903117-01	.18840475+01	.22551184-01	.14288766+02	.11873046+01
.87266438-01	.18841953+01	.21310543-01	.14720275+02	.12878567+01
.91629758-01	.18843428+01	.20172777-01	.15183634+02	.13951795+01
.95993079-01	.18844898+01	.19123419-01	.15682326+02	.15100358+01
.99483736-01	.18846068+01	.18339463-01	.16109420+02	.16079333+01
.10297439+00	.18847232+01	.17599155-01	.16564088+02	.17117314+01
.10646505+00	.18848392+01	.16897936-01	.17049032+02	.18220152+01
.10995571+00	.18849546+01	.16231796-01	.17567342+02	.19394519+01
.11344636+00	.18850696+01	.15597195-01	.18122554+02	.20648035+01
.11693702+00	.18851842+01	.14990974-01	.18718738+02	.21989455+01
.12042768+00	.18852985+01	.14410303-01	.19360607+02	.23428900+01
.12391833+00	.18854126+01	.13852642-01	.20053644+02	.24978124+01
.12740899+00	.18855266+01	.13315666-01	.20804265+02	.26650867+01
.13089965+00	.18856406+01	.12797261-01	.21620035+02	.28463304+01
.13439030+00	.18857549+01	.12295462-01	.22509930+02	.30434608+01
.13788096+00	.18858695+01	.11808440-01	.23484695+02	.32587695+01
.14049895+00	.18859558+01	.11451835-01	.24279166+02	.34338216+01
.14311694+00	.18860424+01	.11101870-01	.25135098+02	.36220215+01
.14573494+00	.18861296+01	.10757869-01	.26060055+02	.38249778+01
.14835293+00	.18862174+01	.10419160-01	.27062918+02	.40445785+01
.15097092+00	.18863059+01	.10085072-01	.28154198+02	.42830547+01
.15358891+00	.18863952+01	.97549353-02	.29346420+02	.45430639+01
.15620691+00	.18864855+01	.94280671-02	.30654633+02	.48277963+01
.15882490+00	.18865769+01	.91037564-02	.32097100+02	.51411203+01
.16144289+00	.18866697+01	.87812785-02	.33696216+02	.54877749+01
.16406088+00	.18867639+01	.84598325-02	.35479753+02	.58736326+01
.16667888+00	.18868600+01	.81385635-02	.37482621+02	.63060675+01
.16929687+00	.18869581+01	.78165345-02	.39749331+02	.67944745+01
.17104220+00	.18870248+01	.76008961-02	.41434871+02	.71570418+01
.17278752+00	.18870927+01	.73840916-02	.43284368+02	.75543281+01
.17453285+00	.18871619+01	.71657188-02	.45323852+02	.79918144+01

TABLE 24. (Concluded)

$$M_{\infty} = .49999942+01$$

$$\Theta_s = .43633230-01$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.17627816+00	.18872332+01	.69454294-02	.47585278+02	.84762241+01
.17802346+00	.18873062+01	.67226533-02	.50108473+02	.90159305+01
.17976876+00	.18873812+01	.64967647-02	.52943607+02	.96214752+01
.18151405+00	.18874582+01	.62670931-02	.56154912+02	.10306344+02
.18325935+00	.18875377+01	.60327798-02	.59826076+02	.11088094+02
.18500465+00	.18876200+01	.57929046-02	.64068459+02	.11990069+02
.18674995+00	.18877056+01	.55461675-02	.69033739+02	.13044040+02
.18849525+00	.18877951+01	.52910410-02	.74934642+02	.14294523+02
.19024055+00	.18878892+01	.50255321-02	.82079901+02	.15806068+02
.19111320+00	.18879383+01	.48880763-02	.86256433+02	.16688416+02
.19198585+00	.18879891+01	.47469102-02	.90937298+02	.17676385+02
.19285849+00	.18880416+01	.46015307-02	.96225527+02	.18791469+02
.19373114+00	.18880962+01	.44513270-02	.10225551+03	.20061691+02
.19460379+00	.18881530+01	.42955093-02	.10920620+03	.21524342+02
.19547644+00	.18882127+01	.41331127-02	.11732212+03	.23230352+02
.19634909+00	.18882755+01	.39628670-02	.12694763+03	.25251395+02
.19722174+00	.18883422+01	.37830546-02	.13858576+03	.27692099+02
.19809439+00	.18884137+01	.35913847-02	.15300635+03	.30712488+02
.19896704+00	.18884913+01	.33844635-02	.17146064+03	.34572441+02
.19983969+00	.18885770+01	.31570084-02	.19615506+03	.39729863+02
.20071234+00	.18886744+01	.29000156-02	.23146465+03	.47091888+02
.20158499+00	.18887904+01	.25954023-02	.28785977+03	.58827219+02
.20245764+00	.18889444+01	.21936297-02	.40153295+03	.82422643+02
.20275525+00	.18890169+01	.20047103-02	.48018153+03	.98715773+02

$$.37997961-06 = \Delta S/R$$

$$.11561534+01 = P_s/P_{\infty}$$

$$.10909590+01 = \rho_s/\rho_{\infty}$$

$$.10597567+01 = T_s/T_{\infty}$$

TABLE 25. CONICAL FLOWFIELD $\theta_s = 2.5$ DEG; $M_\infty = 6.0$

u_s	M_∞	θ_s	θ_w	
.95760158+00	.59999986+01	.43633230-01	.16973546+00	
θ	M_1^*	ψ_1	x	r
.43633230-01	.19151672+01	.43633230-01	.11451883+02	.50000000+00
.47123887-01	.19151878+01	.40399455-01	.11683655+02	.55098712+00
.50614543-01	.19152405+01	.37604035-01	.11929720+02	.60433348+00
.54105200-01	.19153153+01	.35157446-01	.12190979+02	.66023972+00
.57595856-01	.19154055+01	.32993304-01	.12468480+02	.71892788+00
.61086513-01	.19155065+01	.31061217-01	.12763433+02	.78064488+00
.64577170-01	.19156152+01	.29322175-01	.13077228+02	.84566621+00
.68067826-01	.19157294+01	.27745445-01	.13411453+02	.91430090+00
.71558483-01	.19158474+01	.26306462-01	.13767924+02	.98689683+00
.74612807-01	.19159529+01	.25144601-01	.14099712+02	.10539756+01
.77667132-01	.19160600+01	.24061848-01	.14451700+02	.11246844+01
.80721457-01	.19161681+01	.23048825-01	.14825676+02	.11993563+01
.83775781-01	.19162771+01	.22097520-01	.15223664+02	.12783664+01
.86830106-01	.19163866+01	.21201024-01	.15647964+02	.13621394+01
.89884430-01	.19164966+01	.20353354-01	.16101200+02	.14511573+01
.92938755-01	.19166069+01	.19549277-01	.16586376+02	.15459709+01
.95993079-01	.19167176+01	.18784183-01	.17106951+02	.16472115+01
.98611072-01	.19168127+01	.18156318-01	.17584344+02	.17396535+01
.10122906+00	.19169080+01	.17551780-01	.18093563+02	.18378765+01
.10384706+00	.19170036+01	.16968467-01	.18637910+02	.19424798+01
.10646505+00	.19170996+01	.16404446-01	.19221177+02	.20541505+01
.10908304+00	.19171959+01	.15857928-01	.19847743+02	.21736806+01
.11170103+00	.19172927+01	.15327251-01	.20522685+02	.23019871+01
.11431903+00	.19173900+01	.14810857-01	.21251932+02	.24401394+01
.11693702+00	.19174880+01	.14307273-01	.22042450+02	.25893918+01
.11911868+00	.19175702+01	.13896381-01	.22753920+02	.27233097+01
.12130034+00	.19176531+01	.13492617-01	.23519235+02	.28669662+01
.12348200+00	.19177366+01	.13095196-01	.24344909+02	.30215309+01
.12566366+00	.19178209+01	.12703365-01	.25238595+02	.31883748+01
.12784532+00	.19179061+01	.12316348-01	.26209315+02	.33691137+01
.13002698+00	.19179923+01	.11933364-01	.27267819+02	.35656697+01
.13220864+00	.19180797+01	.11553621-01	.28427000+02	.37803463+01
.13439030+00	.19181684+01	.11176286-01	.29702482+02	.40159316+01
.13613563+00	.19182405+01	.10875564-01	.30819316+02	.42217195+01
.13788096+00	.19183137+01	.10575339-01	.32034573+02	.44451625+01
.13962629+00	.19183880+01	.10275099-01	.33362409+02	.46887789+01
.14137162+00	.19184637+01	.99742822-02	.34819925+02	.49556071+01
.14311694+00	.19185409+01	.96722767-02	.36427968+02	.52493481+01
.14486225+00	.19186203+01	.93684755-02	.38212240+02	.55745597+01
.14660755+00	.19187018+01	.90620425-02	.40204924+02	.59369420+01

TABLE 25. (Concluded)

$$M_{\infty} = .59999986+01$$

$$\Theta_s = .43633230-01$$

Θ	M_1^*	ψ_1	x	r
.14835285+00	.17187855+01	.87520424-02	.42446773+02	.63437065+01
.14966182+00	.19188499+01	.85165873-02	.44322701+02	.66833904+01
.15097079+00	.19189159+01	.82780197-02	.46395936+02	.70581363+01
.15227977+00	.19189836+01	.80357622-02	.48701166+02	.74740639+01
.15358874+00	.19190533+01	.77890996-02	.51282045+02	.79388676+01
.15489772+00	.19191252+01	.75372122-02	.54194361+02	.84623711+01
.15620669+00	.19191997+01	.72791018-02	.57510745+02	.90573510+01
.15751566+00	.19192771+01	.70135538-02	.61327769+02	.97407776+01
.15882464+00	.19193580+01	.67390222-02	.65776993+02	.10535745+02
.15969729+00	.19194142+01	.65500643-02	.69182590+02	.11143162+02
.16056994+00	.19194724+01	.63555054-02	.73023241+02	.11827157+02
.16144259+00	.19195330+01	.61544646-02	.77395184+02	.12604576+02
.16231523+00	.19195963+01	.59458092-02	.82427025+02	.13497910+02
.16318788+00	.19196627+01	.57281125-02	.88295189+02	.14537985+02
.16406053+00	.19197331+01	.54994989-02	.95249658+02	.15768437+02
.16493318+00	.19198080+01	.52573998-02	.10365901+03	.17253543+02
.16580583+00	.19198888+01	.49982518-02	.11409479+03	.19092867+02
.16624216+00	.19199319+01	.48606917-02	.12034585+03	.20192917+02
.16667848+00	.19199772+01	.47166348-02	.12750473+03	.21451315+02
.16711481+00	.19200251+01	.45648683-02	.13581289+03	.22910014+02
.16755113+00	.19200761+01	.44037811-02	.14561437+03	.24628756+02
.16798745+00	.19201309+01	.42311270-02	.15742119+03	.26696381+02
.16842378+00	.19201908+01	.40436126-02	.17204011+03	.29252769+02
.16886010+00	.19202572+01	.38360655-02	.19084500+03	.32535936+02
.16929643+00	.19203332+01	.35995003-02	.21645467+03	.36999160+02
.16973275+00	.19204248+01	.33153147-02	.25486795+03	.43679706+02
.16973546+00	.19204255+01	.33133272-02	.25517337+03	.43732759+02

$$.30114315-05 = \Delta S/R$$

$$.12094528+01 = P_s/P_{\infty}$$

$$.11206612+01 = \rho_s/\rho_{\infty}$$

$$.10790389+01 = T_s/T_{\infty}$$

TABLE 26. CONICAL FLOWFIELD $\theta_s = 2.5$ DEG; $M_\infty = 8.0$

u_s	M_∞	θ_s	θ_w	
.97455476+00	.800000615+01	.43633230-01	.12995520+00	
θ	M_1^*	ψ_1	x	r
.43633230-01	.19490730+01	.43633230-01	.11451883+02	.50000000+00
.46251222-01	.19490852+01	.41162170-01	.11681055+02	.54064862+00
.48869215-01	.19491175+01	.38949769-01	.11924267+02	.58319391+00
.51487207-01	.19491650+01	.36952359-01	.12182539+02	.62779973+00
.54105200-01	.19492243+01	.35135727-01	.12457034+02	.67464875+00
.56723192-01	.19492927+01	.33472602-01	.12749083+02	.72394525+00
.59341185-01	.19493684+01	.31940925-01	.13060202+02	.77591880+00
.61959177-01	.19494497+01	.30522616-01	.13392124+02	.83082844+00
.64577170-01	.19495357+01	.29202682-01	.13746837+02	.88896787+00
.67195162-01	.19496255+01	.27968548-01	.14126618+02	.95067160+00
.69376823-01	.19497028+01	.26997914-01	.14464136+02	.10050888+01
.71558483-01	.19497820+01	.26074107-01	.14822616+02	.10624981+01
.73740143-01	.19498629+01	.25192418-01	.15204029+02	.11231838+01
.75921804-01	.19499454+01	.24348652-01	.15610616+02	.11874685+01
.78103464-01	.19500292+01	.23539052-01	.16044938+02	.12557196+01
.80285124-01	.19501144+01	.22760234-01	.16509938+02	.13283577+01
.82466785-01	.19502010+01	.22009116-01	.17009012+02	.14058670+01
.84646445-01	.19502888+01	.21282879-01	.17546102+02	.14888078+01
.86830106-01	.19503780+01	.20578918-01	.18125810+02	.15778333+01
.88575434-01	.19504503+01	.20030149-01	.18623867+02	.16539448+01
.90320762-01	.19505234+01	.19492898-01	.19155866+02	.17348926+01
.92066091-01	.19505975+01	.18966029-01	.19725510+02	.18211990+01
.93811419-01	.19506726+01	.18448439-01	.20337090+02	.19134677+01
.95556747-01	.19507488+01	.17939050-01	.20995596+02	.20123997+01
.97302075-01	.19508262+01	.17436791-01	.21706880+02	.21188154+01
.99047404-01	.19509047+01	.16940589-01	.22477848+02	.22336816+01
.10079273+00	.19509847+01	.16449353-01	.23316720+02	.23581468+01
.10253806+00	.19510662+01	.15961959-01	.24233358+02	.24935869+01
.10384706+00	.19511284+01	.15598226-01	.24978971+02	.26033576+01
.10515605+00	.19511917+01	.15235469-01	.25781005+02	.27210657+01
.10646505+00	.19512560+01	.14873127-01	.26646503+02	.28476886+01
.10777405+00	.19513216+01	.14510602-01	.27583782+02	.29843795+01
.10908303+00	.19513887+01	.14147260-01	.28602741+02	.31325083+01
.11039201+00	.19514577+01	.13782398-01	.29715293+02	.32937212+01
.11170098+00	.19515283+01	.13415192-01	.30935912+02	.34700156+01
.11300796+00	.19516008+01	.13044749-01	.32282345+02	.36638368+01
.11431893+00	.19516753+01	.12670037-01	.33776670+02	.38782220+01
.11519158+00	.19517263+01	.12417273-01	.34868506+02	.40344183+01
.11606423+00	.19517784+01	.12161679-01	.36048379+02	.42028161+01
.11693688+00	.19518317+01	.11902787-01	.37328289+02	.43850591+01

TABLE 26. (Concluded)

$$M_{\infty} = .00000615+01$$

$$\Theta_s = .43633230-01$$

θ	M_1^*	ψ_1	x	r
.11790953+00	.19516865+01	.11640074-01	.38722651+02	.45831199+01
.11868218+00	.19519427+01	.11372927-01	.40248960+02	.47993891+01
.11955483+00	.19520004+01	.11100648-01	.41928683+02	.50367967+01
.12042747+00	.19520605+01	.10822400-01	.43788532+02	.52989838+01
.12130012+00	.19521224+01	.10537185-01	.45882218+02	.55905387+01
.12217277+00	.19521868+01	.10243781-01	.48193066+02	.59173509+01
.12260910+00	.19522201+01	.10093553-01	.49471999+02	.60962963+01
.12304542+00	.19522541+01	.99406885-02	.50837846+02	.62871255+01
.12348175+00	.19522889+01	.97849295-02	.52300794+02	.64912190+01
.12391807+00	.19523246+01	.96259965-02	.53872788+02	.67101937+01
.12435440+00	.19523613+01	.94635636-02	.55567978+02	.69459633+01
.12479072+00	.19523990+01	.92972396-02	.57403264+02	.72008122+01
.12522705+00	.19524380+01	.91265924-02	.59399024+02	.74774919+01
.12566337+00	.19524782+01	.89510921-02	.61580153+02	.77793612+01
.12609969+00	.19525200+01	.87701138-02	.63977440+02	.81105703+01
.12653602+00	.19525634+01	.85829105-02	.66629505+02	.84763196+01
.12697234+00	.19526086+01	.83885472-02	.69585734+02	.88832535+01
.12740867+00	.19526561+01	.81858598-02	.72910494+02	.93400223+01
.12784499+00	.19527061+01	.79733655-02	.76689728+02	.98581643+01
.12828132+00	.19527592+01	.77491123-02	.81041863+02	.10453561+02
.12871764+00	.19528160+01	.75104181-02	.86135827+02	.11148841+02
.12915397+00	.19528775+01	.72534997-02	.92224595+02	.11977846+02
.12959029+00	.19529451+01	.69726203-02	.99711520+02	.12994468+02
.12995520+00	.19530080+01	.67126844-02	.10754308+03	.14054992+02

$$.57142228-04 = \Delta S/R$$

$$.13338664+01 = P_s/P_{\infty}$$

$$.11886554+01 = \rho_s/\rho_{\infty}$$

$$.11221641+01 = T_s/T_{\infty}$$

TABLE 27. CONICAL FLOWFIELD $\theta_s = 2.5$ DEG; $M_\infty = 10.0$

u_s	M_∞	θ_s	θ_w	
.98280676+00	.99999409+01	.43633230-01	.10750390+00	
θ	M_1^*	ψ_1	x	r
.43633230-01	.19655767+01	.43633230-01	.11451883+02	.50000000+00
.45378558-01	.19655823+01	.41954444-01	.11638675+02	.52850910+00
.47123887-01	.19655978+01	.40397017-01	.11834801+02	.55811501+00
.48869215-01	.19656216+01	.38945636-01	.12040855+02	.58889598+00
.50614543-01	.19656522+01	.37587495-01	.12257495+02	.62093784+00
.52359872-01	.19656887+01	.36311773-01	.12485458+02	.65433502+00
.54105200-01	.19657301+01	.35109241-01	.12725561+02	.68919146+00
.55850528-01	.19657758+01	.33971964-01	.12978721+02	.72562301+00
.57595856-01	.19658253+01	.32893067-01	.13245957+02	.76375695+00
.59341185-01	.19658780+01	.31866541-01	.13528416+02	.80373587+00
.61086513-01	.19659335+01	.30887107-01	.13827386+02	.84571899+00
.62831841-01	.19659917+01	.29950088-01	.14144317+02	.88988482+00
.64577170-01	.19660522+01	.29051316-01	.14480853+02	.93643457+00
.66322498-01	.19661148+01	.28187048-01	.14838859+02	.98559571+00
.68067826-01	.19661795+01	.27353898-01	.15220462+02	.10376267+01
.69813155-01	.19662460+01	.26548784-01	.15628100+02	.10928229+01
.71122151-01	.19662971+01	.25961634-01	.15952587+02	.11364992+01
.72431147-01	.19663492+01	.25387540-01	.16294632+02	.11823072+01
.73740143-01	.19664023+01	.24825444-01	.16655744+02	.12304279+01
.75049140-01	.19664564+01	.24274331-01	.17037614+02	.12810643+01
.76358136-01	.19665115+01	.23733228-01	.17442154+02	.13344449+01
.77667132-01	.19665676+01	.23201192-01	.17871527+02	.13908279+01
.78976128-01	.19666247+01	.22677305-01	.18328202+02	.14505073+01
.80285124-01	.19666829+01	.22160660-01	.18814996+02	.15138182+01
.81594121-01	.19667423+01	.21650360-01	.19335155+02	.15811453+01
.82903117-01	.19668028+01	.21145500-01	.19892431+02	.16529331+01
.84212113-01	.19668646+01	.20645167-01	.20491193+02	.17296974+01
.85521109-01	.19669277+01	.20148421-01	.21136562+02	.18120420+01
.86830106-01	.19669922+01	.19654281-01	.21834584+02	.19006783+01
.88139102-01	.19670583+01	.19161713-01	.22592461+02	.19964517+01
.89448098-01	.19671261+01	.18669609-01	.23418851+02	.21003763+01
.90320755-01	.19671724+01	.18341217-01	.24012939+02	.21747838+01
.91193404-01	.19672199+01	.18012115-01	.24645786+02	.22537842+01
.92066053-01	.19672683+01	.17681872-01	.25321650+02	.23378734+01
.92938703-01	.19673177+01	.17350030-01	.26045460+02	.24276249+01
.93811352-01	.19673682+01	.17016087-01	.26822985+02	.25237081+01
.94684001-01	.19674200+01	.16679477-01	.27661010+02	.26269099+01
.95556650-01	.19674730+01	.16339578-01	.28567597+02	.27381630+01
.96429300-01	.19675275+01	.15995675-01	.29552403+02	.28585832+01
.97301949-01	.19675837+01	.15646958-01	.30627120+02	.29895190+01

TABLE 27. (Concluded)

$$M_{\infty} = .99999409+01$$

$$\Theta_s = .43633230-01$$

Θ	M_1^*	ψ_1	x	r
.98174598-01	.19676415+01	.15292477-01	.31806077+02	.31326195+01
.99047247-01	.19677014+01	.14931119-01	.33107054+02	.32899280+01
.99919897-01	.19677635+01	.14561545-01	.34552467+02	.34640147+01
.10079255+00	.19678283+01	.14182129-01	.36171061+02	.36581696+01
.10166520+00	.19678960+01	.13790855-01	.38000478+02	.38766914+01
.10253784+00	.19679672+01	.13385158-01	.40091244+02	.41253377+01
.10297417+00	.19680043+01	.13175890-01	.41255456+02	.42633259+01
.10341049+00	.19680426+01	.12961672-01	.42513227+02	.44120521+01
.10384682+00	.19680822+01	.12741903-01	.43878106+02	.45730522+01
.10428314+00	.19681232+01	.12515849-01	.45366672+02	.47482037+01
.10471947+00	.19681658+01	.12282646-01	.46999488+02	.49398314+01
.10515579+00	.19682101+01	.12041233-01	.48802453+02	.51508601+01
.10559212+00	.19682566+01	.11790290-01	.50808836+02	.53850411+01
.10602844+00	.19683055+01	.11528137-01	.53062313+02	.56472924+01
.10646477+00	.19683573+01	.11252598-01	.55621778+02	.59442351+01
.10690109+00	.19684126+01	.10960744-01	.58569347+02	.62850869+01
.10733742+00	.19684721+01	.10648476-01	.62024365+02	.66832212+01
.10750390+00	.19684962+01	.10522773-01	.63512424+02	.68542585+01

$$.41482598-03 = \Delta S/R$$

$$.14816294+01 = P_s/P_{\infty}$$

$$.12458133+01 = \rho_s/\rho_{\infty}$$

$$.11704960+01 = T_s/T_{\infty}$$

TABLE 28. CONICAL FLOWFIELD $\theta_s = 2.5$ DEG; $M_\infty = 12.5$

u_s	M_∞	θ_s	θ_w	
.98827663+00	.12499995+02	.43633230-01	.90798791-01	
θ	M^*_1	ψ_1	x	r
.43633230-01	.19765162+01	.43633230-01	.11451883+02	.50000000+00
.44505894-01	.19765176+01	.42777560-01	.11564694+02	.51503715+00
.45378558-01	.19765219+01	.41954182-01	.11680896+02	.53042634+00
.46251222-01	.19765286+01	.41160737-01	.11800624+02	.54618278+00
.47123887-01	.19765375+01	.40395096-01	.11924023+02	.56232258+00
.47996551-01	.19765486+01	.39655323-01	.12051247+02	.57886287+00
.48869215-01	.19765615+01	.38939656-01	.12182463+02	.59582177+00
.49741879-01	.19765762+01	.38246486-01	.12317845+02	.61321857+00
.50614543-01	.19765925+01	.37574336-01	.12457582+02	.63107381+00
.51487207-01	.19766103+01	.36921850-01	.12601877+02	.64940938+00
.52359872-01	.19766295+01	.36287775-01	.12750945+02	.66824860+00
.53232536-01	.19766501+01	.35670954-01	.12905018+02	.68761642+00
.54105200-01	.19766718+01	.35070312-01	.13064345+02	.70753950+00
.54977864-01	.19766947+01	.34484851-01	.13229192+02	.72804638+00
.55850528-01	.19767187+01	.33913638-01	.13399848+02	.74916771+00
.56723192-01	.19767437+01	.33355803-01	.13576623+02	.77093638+00
.57595856-01	.19767696+01	.32810527-01	.13759850+02	.79338781+00
.58468521-01	.19767965+01	.32277041-01	.13949891+02	.81656015+00
.59341185-01	.19768243+01	.31754618-01	.14147135+02	.84049456+00
.60213849-01	.19768530+01	.31242573-01	.14352009+02	.86523562+00
.61086513-01	.19768824+01	.30740252-01	.14564970+02	.89083156+00
.61959177-01	.19769127+01	.30247035-01	.14786520+02	.91733474+00
.62831841-01	.19769438+01	.29762326-01	.15017204+02	.94480216+00
.63704506-01	.19769756+01	.29285557-01	.15257619+02	.97329600+00
.64577170-01	.19770082+01	.28816178-01	.15508417+02	.10028841+01
.65449834-01	.19770415+01	.28353656-01	.15770315+02	.10336408+01
.66322498-01	.19770756+01	.27897476-01	.16044102+02	.10656478+01
.67195162-01	.19771105+01	.27447133-01	.16330647+02	.10989950+01
.68067826-01	.19771461+01	.27002133-01	.16630912+02	.11337815+01
.68940490-01	.19771824+01	.26561985-01	.16945965+02	.11701174+01
.69813155-01	.19772195+01	.26126203-01	.17276996+02	.12081249+01
.70685819-01	.19772574+01	.25694303-01	.17625332+02	.12479401+01
.71558483-01	.19772961+01	.25265793-01	.17992464+02	.12897155+01
.72431147-01	.19773357+01	.24840179-01	.18380065+02	.13336222+01
.73303811-01	.19773761+01	.24416951-01	.18790035+02	.13798535+01
.74176475-01	.19774174+01	.23995590-01	.19224524+02	.14286285+01
.75049140-01	.19774597+01	.23575546-01	.19685988+02	.14801965+01
.75921804-01	.19775030+01	.23156251-01	.20177248+02	.15348432+01
.76794468-01	.19775473+01	.22737095-01	.20701560+02	.15928978+01
.77667125-01	.19775929+01	.22317431-01	.21262699+02	.16547412+01

TABLE 28. (Concluded)

$$M_{\infty} = .12499995+02$$

$$\Theta_s = .43633230-01$$

Θ	M_1^*	ψ_1	x	r
.78539774-01	.19776400+01	.21896551-01	.21865102+02	.17208199+01
.79412423-01	.19776883+01	.21473674-01	.22513994+02	.17916586+01
.80285072-01	.19777381+01	.21047942-01	.23215583+02	.18678797+01
.81157722-01	.19777894+01	.20618387-01	.23977333+02	.19502293+01
.82030371-01	.19778424+01	.20183899-01	.24808297+02	.20396107+01
.82903020-01	.19778973+01	.19743199-01	.25719606+02	.21371313+01
.83775669-01	.19779544+01	.19294797-01	.26725143+02	.22441693+01
.84648319-01	.19780138+01	.18836858-01	.27842493+02	.23624655+01
.85520968-01	.19780760+01	.18367172-01	.29094368+02	.24942623+01
.85957292-01	.19781083+01	.18127087-01	.29779760+02	.25661106+01
.86393617-01	.19781415+01	.17882968-01	.30510768+02	.26425133+01
.86829942-01	.19781756+01	.17634341-01	.31292838+02	.27240045+01
.87266266-01	.19782107+01	.17380662-01	.32132408+02	.28112150+01
.87702591-01	.19782470+01	.17121293-01	.33037176+02	.29048976+01
.88138916-01	.19782846+01	.16855486-01	.34016424+02	.30059586+01
.88575240-01	.19783235+01	.16582350-01	.35081500+02	.31155041+01
.89011565-01	.19783641+01	.16300817-01	.36246458+02	.32349018+01
.89447889-01	.19784064+01	.16009572-01	.37529017+02	.33658728+01
.89884214-01	.19784509+01	.15706973-01	.38951910+02	.35106212+01
.90320539-01	.19784978+01	.15390930-01	.40545012+02	.36720380+01
.90756863-01	.19785476+01	.15058697-01	.42348679+02	.38540206+01
.90798791-01	.19785525+01	.15025790-01	.42535051+02	.38727800+01

$$.22468902-02 = \Delta S/R$$

$$.16993700+01 = P_s/P_{\infty}$$

$$.13733451+01 = \rho_s/\rho_{\infty}$$

$$.12373948+01 = T_s/T_{\infty}$$

TABLE 29. CONICAL FLOWFIELD $\theta_s = 2.5 \text{ DEG}$; $M_\infty = 15.0$

u_s	M_∞	θ_s	θ_w	
.99133593+00	.14999971+02	.43633230-01	.80522289-01	
θ	M_1^*	ψ_1	x	r
.43633230-01	.19826347+01	.43633230-01	.11451883+02	.50000000+00
.44505894-01	.19826361+01	.42777522-01	.11583953+02	.51589486+00
.45378558-01	.19826404+01	.41953890-01	.11720682+02	.53223300+00
.46251222-01	.19826471+01	.41159796-01	.11862298+02	.54903733+00
.47123887-01	.19826560+01	.40392956-01	.12009051+02	.56633242+00
.47996551-01	.19826671+01	.39651305-01	.12161209+02	.58414472+00
.48869215-01	.19826802+01	.38932969-01	.12319063+02	.60250264+00
.49741879-01	.19826950+01	.38236237-01	.12482927+02	.62143686+00
.50614543-01	.19827115+01	.37559544-01	.12653143+02	.64098047+00
.51487207-01	.19827295+01	.36901449-01	.12830080+02	.66116931+00
.52359872-01	.19827491+01	.36260621-01	.13014143+02	.68204226+00
.53232536-01	.19827700+01	.35635827-01	.13205771+02	.70364142+00
.54105200-01	.19827921+01	.35025917-01	.13405445+02	.72601283+00
.54977864-01	.19828156+01	.34429815-01	.13613689+02	.74920651+00
.55850528-01	.19828402+01	.33846512-01	.13831080+02	.77327731+00
.56723192-01	.19828660+01	.33275053-01	.14058253+02	.79828531+00
.57595856-01	.19828928+01	.32714534-01	.14295906+02	.82429659+00
.58468521-01	.19829208+01	.32164089-01	.14544811+02	.85138393+00
.59341185-01	.19829498+01	.31622893-01	.14805825+02	.87962790+00
.60213849-01	.19829798+01	.31090144-01	.15079900+02	.90911777+00
.61086513-01	.19830109+01	.30565068-01	.15368098+02	.93995296+00
.61959177-01	.19830430+01	.30046904-01	.15671610+02	.97224452+00
.62831841-01	.19830762+01	.29534902-01	.15991774+02	.10061169+01
.63704506-01	.19831103+01	.29028321-01	.16330100+02	.10417105+01
.64577170-01	.19831455+01	.28526412-01	.16688300+02	.10791837+01
.65013502-01	.19831636+01	.28276974-01	.16875452+02	.10986806+01
.65449834-01	.19831819+01	.28028422-01	.17068326+02	.11187170+01
.65886166-01	.19832004+01	.27780654-01	.17267210+02	.11393193+01
.66322498-01	.19832193+01	.27533574-01	.17472414+02	.11605162+01
.66758830-01	.19832384+01	.27287082-01	.17684270+02	.11823381+01
.67195162-01	.19832579+01	.27041071-01	.17903138+02	.12048181+01
.67631494-01	.19832776+01	.26795438-01	.18129405+02	.12279916+01
.68067826-01	.19832977+01	.26550076-01	.18363487+02	.12518966+01
.68504158-01	.19833180+01	.26304868-01	.18605838+02	.12765748+01
.68940490-01	.19833388+01	.26059700-01	.18856948+02	.13020706+01
.69376823-01	.19833598+01	.25814449-01	.19117349+02	.13284329+01
.69813147-01	.19833814+01	.25568992-01	.19387620+02	.13557139+01
.70249472-01	.19834033+01	.25323193-01	.19668400+02	.13839721+01
.70685796-01	.19834256+01	.25076910-01	.19960383+02	.14132701+01
.71122121-01	.19834483+01	.24829998-01	.20264333+02	.14436773+01

TABLE 29. (Concluded)

$$M_{\infty} = .14999971+02$$

$$\Theta_s = .43633230-01$$

Θ	M_1^*	ψ_1	x	r
.71558446-01	.19834714+01	.24582298-01	.20581084+02	.14752693+01
.71994770-01	.19834950+01	.24333648-01	.20911561+02	.15081296+01
.72431095-01	.19835189+01	.24083870-01	.21256789+02	.15423506+01
.72867420-01	.19835434+01	.23832769-01	.21617902+02	.15780346+01
.73303744-01	.19835684+01	.23580142-01	.21996166+02	.16152955+01
.73740069-01	.19835939+01	.23325767-01	.22392998+02	.16542607+01
.74176393-01	.19836198+01	.23069401-01	.22809986+02	.16950724+01
.74612718-01	.19836465+01	.22810777-01	.23248927+02	.17378918+01
.75049043-01	.19836737+01	.22549600-01	.23711851+02	.17829003+01
.75485367-01	.19837016+01	.22285552-01	.24201081+02	.18303052+01
.75921692-01	.19837302+01	.22019267-01	.24719268+02	.18803429+01
.76358017-01	.19837596+01	.21747339-01	.25269477+02	.19332859+01
.76794341-01	.19837898+01	.21472310-01	.25855262+02	.19894501+01
.77230666-01	.19838209+01	.21192658-01	.26480788+02	.20492046+01
.77666990-01	.19838530+01	.20907781-01	.27150959+02	.21129836+01
.78103315-01	.19838862+01	.20616981-01	.27871624+02	.21813034+01
.78539640-01	.19839205+01	.20319441-01	.28649819+02	.22547845+01
.78975964-01	.19839563+01	.20014186-01	.29494118+02	.23341813+01
.79412289-01	.19839935+01	.19700046-01	.30415110+02	.24204235+01
.79848614-01	.19840324+01	.19375588-01	.31426098+02	.25146769+01
.80284938-01	.19840733+01	.19039026-01	.32544094+02	.26184288+01
.80522289-01	.19840964+01	.18850076-01	.33204950+02	.26795323+01

$$.72626472-02 = \Delta S/R$$

$$.19547292+01 = P_s/P_{\infty}$$

$$.14906881+01 = \rho_s/\rho_{\infty}$$

$$.13112932+01 = T_s/T_{\infty}$$

3 TABLE 30. CONICAL FLOWFIELD $\theta_s = 2.5 \text{ DEG}$; $M_\infty = 17.5$

u_s	M_∞	θ_s	θ_w	
.99322379+00	.17500023+02	.43633230-01	.73717203-01	
θ	M_1^*	ψ_1	x	r
.43633230-01	.19864103+01	.43633230-01	.11451883+02	.50000000+00
.44069562-01	.19864107+01	.43201191-01	.11526178+02	.50828267+00
.44505894-01	.19864118+01	.42777481-01	.11601938+02	.51669580+00
.44942226-01	.19864136+01	.42361727-01	.11679204+02	.52524311+00
.45378558-01	.19864160+01	.41953579-01	.11758021+02	.53392857+00
.45814890-01	.19864191+01	.41552704-01	.11838432+02	.54275626+00
.46251222-01	.19864228+01	.41158790-01	.11920485+02	.55173045+00
.46687555-01	.19864270+01	.40771537-01	.12004228+02	.56085560+00
.47123887-01	.19864318+01	.40390663-01	.12089713+02	.57013632+00
.47560219-01	.19864371+01	.40015901-01	.12176993+02	.57957751+00
.47996551-01	.19864429+01	.39646992-01	.12266125+02	.58918419+00
.48432883-01	.19864493+01	.39283693-01	.12357168+02	.59896169+00
.48869215-01	.19864561+01	.38925772-01	.12450184+02	.60891551+00
.49305547-01	.19864633+01	.38573004-01	.12545236+02	.61905142+00
.49741879-01	.19864710+01	.38225176-01	.12642393+02	.62937554+00
.50178211-01	.19864791+01	.37882084-01	.12741726+02	.63989413+00
.50614543-01	.19864877+01	.37543529-01	.12843309+02	.65061391+00
.51050875-01	.19864966+01	.37209324-01	.12947222+02	.66154183+00
.51487207-01	.19865060+01	.36879284-01	.13053548+02	.67268522+00
.51923539-01	.19865157+01	.36553234-01	.13162372+02	.68405179+00
.52359872-01	.19865258+01	.36231005-01	.13273787+02	.69564961+00
.52796204-01	.19865362+01	.35912429-01	.13387889+02	.70748717+00
.53232536-01	.19865470+01	.35597350-01	.13504780+02	.71957345+00
.53668868-01	.19865582+01	.35285609-01	.13624567+02	.73191793+00
.54105200-01	.19865697+01	.34977058-01	.13747364+02	.74453053+00
.54541532-01	.19865815+01	.34671549-01	.13873292+02	.75742177+00
.54977864-01	.19865937+01	.34368936-01	.14002476+02	.77060277+00
.55414196-01	.19866062+01	.34069082-01	.14135052+02	.78408527+00
.55850528-01	.19866190+01	.33771846-01	.14271163+02	.79788173+00
.56286860-01	.19866322+01	.33477094-01	.14410959+02	.81200532+00
.56723192-01	.19866457+01	.33184693-01	.14554602+02	.82647005+00
.57159524-01	.19866595+01	.32894510-01	.14702263+02	.84129077+00
.57595856-01	.19866735+01	.32606416-01	.14854124+02	.85648327+00
.58032189-01	.19866880+01	.32320281-01	.15010381+02	.87206440+00
.58468521-01	.19867027+01	.32035978-01	.15171239+02	.88805208+00
.58904853-01	.19867178+01	.31753377-01	.15336922+02	.90446546+00
.59341185-01	.19867331+01	.31472350-01	.15507666+02	.92132498+00
.59777517-01	.19867488+01	.31192771-01	.15683728+02	.93865258+00
.60213849-01	.19867648+01	.30914510-01	.15865378+02	.95647170+00
.60650181-01	.19867812+01	.30637435-01	.16052911+02	.97480751+00

TABLE 30. (Concluded)

$$M_{\infty} = .17500023+02$$

$$\Theta_s = .43633230-01$$

Θ	M_1^*	ψ_1	x	r
.61086513-01	.19867978+01	.30361417-01	.16246644+02	.99368715+00
.61522845-01	.19868148+01	.30086321-01	.16446918+02	.10131397+01
.61959177-01	.19868322+01	.29812010-01	.16654101+02	.10331969+01
.62395509-01	.19868499+01	.29538346-01	.16868593+02	.10538924+01
.62831841-01	.19868679+01	.29265185-01	.17090827+02	.10752634+01
.63268173-01	.19868863+01	.28992380-01	.17321274+02	.10973499+01
.63704506-01	.19869051+01	.28719777-01	.17560447+02	.11201953+01
.64140838-01	.19869242+01	.28447219-01	.17808905+02	.11438471+01
.64577170-01	.19869438+01	.28174539-01	.18067262+02	.11683572+01
.65013494-01	.19869639+01	.27901565-01	.18336190+02	.11937822+01
.65449819-01	.19869845+01	.27628112-01	.18616436+02	.12201851+01
.65886144-01	.19870055+01	.27353986-01	.18908817+02	.12476349+01
.66322468-01	.19870269+01	.27078982-01	.19214242+02	.12762076+01
.66758793-01	.19870488+01	.26802877-01	.19533715+02	.13059879+01
.67195117-01	.19870713+01	.26525439-01	.19868363+02	.13370699+01
.67631442-01	.19870942+01	.26246408-01	.20219439+02	.13695586+01
.68067767-01	.19871178+01	.25965515-01	.20588362+02	.14035721+01
.68504091-01	.19871418+01	.25682451-01	.20976728+02	.14392437+01
.68940416-01	.19871665+01	.25396887-01	.21386347+02	.14767239+01
.69376741-01	.19871919+01	.25108453-01	.21819289+02	.15161844+01
.69813065-01	.19872179+01	.24816742-01	.22277927+02	.15578220+01
.70249390-01	.19872448+01	.24521293-01	.22765004+02	.16018635+01
.70685714-01	.19872725+01	.24221588-01	.23283710+02	.16485722+01
.71122039-01	.19873010+01	.23917032-01	.23837789+02	.16982566+01
.71558364-01	.19873305+01	.23606942-01	.24431664+02	.17512801+01
.71994688-01	.19873611+01	.23290525-01	.25070623+02	.18080766+01
.72431013-01	.19873929+01	.22966845-01	.25761058+02	.18691693+01
.72867338-01	.19874260+01	.22634783-01	.26510786+02	.19351966+01
.73303662-01	.19874606+01	.22292988-01	.27329515+02	.20069495+01
.73717203-01	.19874950+01	.21958555-01	.28180273+02	.20811420+01

$$.17199375-01 = \Delta S/R$$

$$.22485569+01 = P_s/P_{\infty}$$

$$.16149169+01 = \rho_s/\rho_{\infty}$$

$$.13923669+01 = T_s/T_{\infty}$$

TABLE 31. CONICAL FLOWFIELD $\theta_s = 2.5$ DEG; $M_\infty = 20.0$

u_s	M_∞	θ_s	θ_w	
.99447256+001	.19999924+02	.43633230-01	.68964807-01	
θ	M_1^*	ψ_1	π	r
.43633230-01	.19889078+01	.43633230-01	.11451883+02	.50000000+00
.44069562-01	.19889082+01	.43201186-01	.11534367+02	.50864380+00
.44505894-01	.19889093+01	.42777439-01	.11618659+02	.51744048+00
.44942226-01	.19889111+01	.42361588-01	.11704817+02	.52639495+00
.45378558-01	.19889135+01	.41953256-01	.11792901+02	.53551248+00
.45814890-01	.19889166+01	.41552087-01	.11882977+02	.54479849+00
.46251222-01	.19889203+01	.41157743-01	.11975109+02	.55425872+00
.46687555-01	.19889245+01	.40769908-01	.12069370+02	.56389915+00
.47123887-01	.19889294+01	.40388277-01	.12165834+02	.57372610+00
.47560219-01	.19889347+01	.40012563-01	.12264578+02	.58374620+00
.47996551-01	.19889406+01	.39642492-01	.12365685+02	.59396637+00
.48432883-01	.19889469+01	.39277802-01	.12469241+02	.60439394+00
.48869215-01	.19889538+01	.38918245-01	.12575338+02	.61503659+00
.49305547-01	.19889611+01	.38563578-01	.12684073+02	.62590244+00
.49741879-01	.19889688+01	.38213574-01	.12795549+02	.63700008+00
.50178211-01	.19889770+01	.37868011-01	.12909871+02	.64833847+00
.50614543-01	.19889857+01	.37526675-01	.13027157+02	.65992720+00
.51050875-01	.19889947+01	.37189360-01	.13147525+02	.67177632+00
.51487207-01	.19890042+01	.36855868-01	.13271105+02	.68389653+00
.51923539-01	.19890140+01	.36526004-01	.13398033+02	.69629913+00
.52359872-01	.19890243+01	.36199582-01	.13528453+02	.70899609+00
.52796204-01	.19890349+01	.35876418-01	.13662520+02	.72200016+00
.53232536-01	.19890459+01	.35556333-01	.13800398+02	.73532487+00
.53668868-01	.19890573+01	.35239151-01	.13942262+02	.74898466+00
.54105200-01	.19890691+01	.34924702-01	.14088298+02	.76299484+00
.54541532-01	.19890812+01	.34612814-01	.14238706+02	.77737179+00
.54977864-01	.19890938+01	.34303323-01	.14393699+02	.79213304+00
.55414196-01	.19891066+01	.33996060-01	.14553506+02	.80729730+00
.55850528-01	.19891199+01	.33690861-01	.14718372+02	.82288461+00
.56286860-01	.19891335+01	.33387564-01	.14888562+02	.83891653+00
.56723192-01	.19891474+01	.33086003-01	.15064360+02	.85541622+00
.57159524-01	.19891617+01	.32786013-01	.15246073+02	.87240858+00
.57595856-01	.19891765+01	.32487428-01	.15434031+02	.88992045+00
.58032189-01	.19891915+01	.32190081-01	.15628593+02	.90798096+00
.58468521-01	.19892070+01	.31893799-01	.15830148+02	.92662149+00
.58904853-01	.19892228+01	.31598409-01	.16039119+02	.94587618+00
.59341185-01	.19892391+01	.31303733-01	.16255966+02	.96578217+00
.59777517-01	.19892557+01	.31009587-01	.16481192+02	.98637988+00
.60213849-01	.19892727+01	.30715780-01	.16715346+02	.10077135+01
.60650181-01	.19892902+01	.30422116-01	.16959033+02	.10298314+01

TABLE 31. (Concluded)

$$M_{\infty} = .19999924+02$$

$$\Theta_s = .43633230-01$$

Θ	M_1^*	ψ_1	x	r
.61086513-01	.19893081+01	.30128388-01	.17212916+02	.10527869+01
.61522838-01	.19893266+01	.29834378-01	.17477727+02	.10766380+01
.61959162-01	.19893456+01	.29539861-01	.17754284+02	.11014504+01
.62395487-01	.19893650+01	.29244591-01	.18043488+02	.11272955+01
.62831812-01	.19893850+01	.28948310-01	.18346347+02	.11542535+01
.63268136-01	.19894054+01	.28650739-01	.18663987+02	.11824137+01
.63704461-01	.19894264+01	.28351579-01	.18997673+02	.12118763+01
.64140785-01	.19894481+01	.28050505-01	.19348835+02	.12427541+01
.64577110-01	.19894703+01	.27747159-01	.19719093+02	.12751751+01
.65013435-01	.19894931+01	.27441148-01	.20110295+02	.13092845+01
.65449759-01	.19895166+01	.27132038-01	.20524567+02	.13452494+01
.65886084-01	.19895409+01	.26819339-01	.20964360+02	.13832617+01
.66322409-01	.19895660+01	.26502501-01	.21432525+02	.14235445+01
.66758733-01	.19895919+01	.26180898-01	.21932403+02	.14663585+01
.67195058-01	.19896187+01	.25853807-01	.22467950+02	.15120115+01
.67631382-01	.19896466+01	.25520393-01	.23043890+02	.15608706+01
.68067707-01	.19896756+01	.25179671-01	.23665926+02	.16133778+01
.68504032-01	.19897059+01	.24830468-01	.24341042+02	.16700727+01
.68940356-01	.19897376+01	.24471365-01	.25077898+02	.17316234+01
.68964807-01	.19897394+01	.24450915-01	.25121233+02	.17352328+01

$$.33330858-01 = \Delta S/R$$

$$.25816568+01 = P_s/P_{\infty}$$

$$.17431864+01 = \rho_s/\rho_{\infty}$$

$$.14809987+01 = T_s/T_{\infty}$$

TABLE 32. CONICAL FLOWFIELD $\theta_s = 2.5 \text{ DEG}$; $M_\infty = 22.5$

$\frac{u}{u_s}$	$\frac{M}{M_\infty}$	$\frac{\theta}{\theta_s}$	$\frac{\theta}{\theta_w}$		
.99534258+00	.22499961+02	.43633230-01	.65509608-01		
θ	M^*	ψ_1	κ	τ	
.43633230-01	.19906478+01	.43633230-01	.11451863+02	.50000000+00	
.44069562-01	.19906482+01	.43201181-01	.11541935+02	.50897775+00	
.44505894-01	.19906493+01	.42777396-01	.11634144+02	.51813010+00	
.44942226-01	.19906511+01	.42361447-01	.11728587+02	.52746397+00	
.45378558-01	.19906535+01	.41952928-01	.11825346+02	.53698576+00	
.45814890-01	.19906566+01	.41551459-01	.11924505+02	.54670246+00	
.46251222-01	.19906603+01	.41156680-01	.12026157+02	.55662140+00	
.46687555-01	.19906646+01	.40768251-01	.12130395+02	.56675033+00	
.47123867-01	.19906694+01	.40385847-01	.12237323+02	.57709743+00	
.47560219-01	.19906747+01	.40009162-01	.12347046+02	.58767137+00	
.47996551-01	.19906806+01	.39637902-01	.12459679+02	.59848125+00	
.48432883-01	.19906870+01	.39271787-01	.12575343+02	.60953677+00	
.48869215-01	.19906939+01	.38910547-01	.12694165+02	.62084816+00	
.49305547-01	.19907013+01	.38553926-01	.12816281+02	.63242631+00	
.49741879-01	.19907091+01	.38201673-01	.12941838+02	.64428280+00	
.50178211-01	.19907174+01	.37853550-01	.13070989+02	.65642983+00	
.50614543-01	.19907261+01	.37509323-01	.13203898+02	.66888055+00	
.51050875-01	.19907352+01	.37168768-01	.13340742+02	.68164884+00	
.51487207-01	.19907448+01	.36831663-01	.13481710+02	.69474959+00	
.51923539-01	.19907549+01	.36497795-01	.13627001+02	.70819869+00	
.52359872-01	.19907653+01	.36166952-01	.13776833+02	.72201315+00	
.52796204-01	.19907761+01	.35838929-01	.13931437+02	.73621112+00	
.53232536-01	.19907873+01	.35513521-01	.14091061+02	.75081223+00	
.53668868-01	.19907990+01	.35190525-01	.14255976+02	.76583375+00	
.54105200-01	.19908110+01	.34869741-01	.14426471+02	.78130930+00	
.54541532-01	.19908235+01	.34550968-01	.14602657+02	.79725289+00	
.54977864-01	.19908363+01	.34234004-01	.14785476+02	.81369387+00	
.55414146-01	.19908496+01	.33918648-01	.14974695+02	.83066111+00	
.55850528-01	.19908633+01	.33604696-01	.15170915+02	.84818567+00	
.56286860-01	.19908774+01	.33291940-01	.15374570+02	.866330135+00	
.56723192-01	.19908919+01	.32980166-01	.15586140+02	.88504500+00	
.57159524-01	.19909068+01	.32669158-01	.15806144+02	.90445688+00	
.57595856-01	.19909222+01	.32358671-01	.16035156+02	.92458110+00	
.58032189-01	.19909380+01	.32048534-01	.16273808+02	.94546625+00	
.58468521-01	.19909543+01	.31738442-01	.16522794+02	.96716569+00	
.58904853-01	.19909711+01	.31428162-01	.16782890+02	.98973865+00	
.59341177-01	.19909885+01	.31117423-01	.17054951+02	.10132505+01	
.59777502-01	.19910064+01	.30805939-01	.17339942+02	.10377748+01	
.60213827-01	.19910249+01	.30493407-01	.17636939+02	.10633935+01	
.60650151-01	.19910439+01	.30179497-01	.17953150+02	.10901983+01	
.61086476-01	.19910635+01	.29863855-01	.18283944+02	.11182930+01	
.61522800-01	.19910836+01	.29546095-01	.18632872+02	.11477950+01	
.61959125-01	.19911045+01	.29225788-01	.19001711+02	.11788382+01	
.62395450-01	.19911260+01	.28902461-01	.19392499+02	.12115764+01	
.62831774-01	.19911482+01	.28575586-01	.19807598+02	.12461848+01	
.63268099-01	.19911713+01	.28244568-01	.20249759+02	.12828759+01	
.63704424-01	.19911952+01	.27908726-01	.20722216+02	.13218855+01	
.64140748-01	.19912199+01	.27567280-01	.21225806+02	.13635018+01	
.64577073-01	.19912458+01	.27219320-01	.21774118+02	.14080666+01	
.65013397-01	.19912727+01	.26863776-01	.22363726+02	.14559937+01	
.65449722-01	.19913009+01	.26499365-01	.23004472+02	.15077899+01	
.65886046-01	.19913304+01	.26146575-01	.23696869+02	.15623349+01	

$$.56342745-01 = \Delta S/R$$

$$.29545439+01 = P_0/P_\infty$$

$$.18728586+01 = \rho_0/\rho_\infty$$

$$.15775451+01 = T_0/T_\infty$$

TABLE 33. CONICAL FLOWFIELD $\theta_s = 2.5 \text{ DEG}$; $M_\infty = 25.0$

u_s	M_∞	θ_s	θ_w	
.99597333+00	.24999899+02	.43633230+01	.62917691-C1	
θ	M^*_1	ψ_1	x	r
.43633230+01	.19919093+01	.43633230+01	.11451883+02	.50000000+00
.44047562+01	.19919097+01	.43201175+01	.11548902+02	.50928479+00
.44505894+01	.19919108+01	.42777353+01	.11648420+02	.51876626+00
.44942226+01	.19919126+01	.42361306+01	.11750550+02	.52845206+00
.45378558+01	.19919150+01	.41952602+01	.11855397+02	.53835037+00
.45814890+01	.19919181+01	.41550834+01	.11963053+02	.54846975+00
.46251222+01	.19919218+01	.41155620+01	.12073645+02	.55881935+00
.46687555+01	.19919261+01	.40766597+01	.12187296+02	.56940880+00
.47123887+01	.19919309+01	.40383420+01	.12304138+02	.58024836+00
.47560219+01	.19919363+01	.40005761+01	.12424313+02	.59134897+00
.47996551+01	.19919422+01	.39633306+01	.12547971+02	.60272218+00
.48432883+01	.19919486+01	.39265754+01	.12675271+02	.61438036+00
.48869215+01	.19919556+01	.38902818+01	.12806385+02	.62633663+00
.49305547+01	.19919630+01	.38544217+01	.12941496+02	.63860507+00
.49741879+01	.19919709+01	.38189604+01	.13080801+02	.65120076+00
.50178211+01	.19919792+01	.37838956+01	.13224509+02	.66413970+00
.50614543+01	.19919880+01	.37491779+01	.13372850+02	.67743926+00
.51050875+01	.19919973+01	.37147904+01	.13526064+02	.69111790+00
.51487207+01	.19920070+01	.36807086+01	.13684416+02	.70519559+00
.51923539+01	.19920172+01	.36469085+01	.13848189+02	.71969385+00
.52359872+01	.19920278+01	.36133662+01	.14017690+02	.73463590+00
.52796204+01	.19920388+01	.35800580+01	.14193252+02	.75004606+00
.53232536+01	.19920503+01	.35469604+01	.14375237+02	.76595394+00
.53668868+01	.19920622+01	.35140494+01	.14564039+02	.78238679+00
.54105200+01	.19920745+01	.34813013+01	.14760086+02	.79937758+00
.54541532+01	.19920873+01	.34486917+01	.14963850+02	.81696152+00
.54977864+01	.19921006+01	.34161959+01	.15175844+02	.83517711+00
.55414196+01	.19921142+01	.33837865+01	.15396635+02	.85406654+00
.55850528+01	.19921284+01	.33514434+01	.15626848+02	.87367628+00
.56286860+01	.19921430+01	.33191334+01	.15867173+02	.89405769+00
.56723192+01	.19921582+01	.32868302+01	.16118377+02	.91524765+00
.57159524+01	.19921738+01	.32545041+01	.16381316+02	.93736929+00
.57595849+01	.19921901+01	.32221231+01	.16656940+02	.96043283+00
.58032174+01	.19922069+01	.31896539+01	.16946332+02	.98453796+00
.58468498+01	.19922243+01	.31570603+01	.17250701+02	.10097735+01
.58904823+01	.19922423+01	.31243031+01	.17571419+02	.10362401+01
.59341148+01	.19922609+01	.30913400+01	.17910047+02	.10640520+01
.59777472+01	.19922802+01	.30581242+01	.18268377+02	.10933400+01
.60213797+01	.19923001+01	.30246036+01	.18648476+02	.11242546+01
.60650121+01	.19923208+01	.29907203+01	.19052739+02	.11569698+01
.61086446+01	.19923422+01	.29564085+01	.19483972+02	.11916892+01
.61522771+01	.19923646+01	.29221593+01	.19945487+02	.12286522+01
.61959095+01	.19923878+01	.28881891+01	.20441234+02	.12681436+01
.62395420+01	.19924121+01	.28550093+01	.20975972+02	.13105057+01
.62831745+01	.19924376+01	.28131864+01	.21555508+02	.13561552+01
.63268069+01	.19924642+01	.28058089+01	.21675553+02	.13655781+01

$$.86390302+01 = \Delta S/R$$

$$.33678814+01 = P_8/P_\infty$$

$$.20017036+01 = \rho_8/\rho_\infty$$

$$.14823076+01 = T_8/T_\infty$$

TABLE 34. CONICAL FLOWFIELD $\theta_s = 2.5 \text{ DEG}$; $M_\infty = 27.5$

$\frac{u_s}{u_\infty}$	$\frac{M_\infty}{M^*}$	$\frac{\theta_s}{\theta_\infty}$	$\frac{\theta_w}{\theta_\infty}$	
.99644524+00	.27449944+02	.43633230-01	.60923570-01	
θ	M^*	ψ_1	x	r
.43633230-01	.19928531+01	.43633230-01	.11451883+02	.50000000+00
.44069562-01	.19928535+01	.43201170-01	.11555294+02	.50956665+00
.44505894-01	.19928544+01	.42777312-01	.11661556+02	.51935089+00
.44942226-01	.19928564+01	.42361168-01	.11770788+02	.52936185+00
.45378558-01	.19928588+01	.41952281-01	.11883119+02	.53960923+00
.45814890-01	.19928619+01	.41560220-01	.11998685+02	.55010338+00
.46251222-01	.19928656+01	.41154578-01	.12117632+02	.56085524+00
.46687555-01	.19928699+01	.40764971-01	.12240114+02	.57187654+00
.47123887-01	.19928748+01	.40381031-01	.12366299+02	.58317778+00
.47560219-01	.19928802+01	.40002410-01	.12496364+02	.59477830+00
.47996551-01	.19928861+01	.39628772-01	.12630500+02	.60668637+00
.48432883-01	.19928925+01	.39259796-01	.12768913+02	.61891925+00
.48869215-01	.19928995+01	.38895173-01	.12911821+02	.63149335+00
.49305547-01	.19929070+01	.38534600-01	.13059464+02	.64442629+00
.49741879-01	.19929149+01	.38177788-01	.13212097+02	.65773709+00
.50178211-01	.19929234+01	.37824450-01	.13369995+02	.67144606+00
.50614543-01	.19929323+01	.37474306-01	.13533461+02	.68557546+00
.51050875-01	.19929417+01	.37127081-01	.13702816+02	.70014910+00
.51487207-01	.19929515+01	.36782503-01	.13878416+02	.71519295+00
.51923539-01	.19929618+01	.36440298-01	.14060644+02	.73073521+00
.52359872-01	.19929726+01	.36100196-01	.14249920+02	.74680658+00
.52796204-01	.19929838+01	.35761924-01	.14446704+02	.76344058+00
.53232536-01	.19929955+01	.35425204-01	.14651500+02	.78067400+00
.53668868-01	.19930077+01	.35089754-01	.14864863+02	.79854722+00
.54105200-01	.19930203+01	.34755287-01	.15087406+02	.81710460+00
.54541532-01	.19930335+01	.34421504-01	.15319807+02	.83639526+00
.54977864-01	.19930471+01	.34088097-01	.15562820+02	.85647365+00
.55414196-01	.19930612+01	.33754741-01	.15817283+02	.87740026+00
.55850521-01	.19930761+01	.33421093-01	.16084135+02	.89924248+00
.56286845-01	.19930915+01	.33086793-01	.16364442+02	.92207677+00
.56723170-01	.19931075+01	.32751455-01	.16659398+02	.94598863+00
.57159495-01	.19931240+01	.32414658-01	.16970358+02	.97107486+00
.57595819-01	.19931411+01	.32075953-01	.17298869+02	.99744567+00
.58032144-01	.19931589+01	.31734840-01	.17646705+02	.10252272+01
.58468468-01	.19931774+01	.31390766-01	.18015917+02	.10545650+01
.58904793-01	.19931967+01	.31043116-01	.18408093+02	.10856279+01
.59341118-01	.19932167+01	.30691193-01	.18828430+02	.11186134+01
.59777442-01	.19932375+01	.30334201-01	.19277840+02	.11537545+01
.60213747-01	.19932593+01	.29971219-01	.19761081+02	.11913293+01
.60650092-01	.19932821+01	.29601166-01	.20282944+02	.12316730+01
.60923570-01	.19932970+01	.29365061-01	.20632316+02	.12585518+01

$$.12324093+00 = \Delta S/R$$

$$.38223886+01 = P_s/P_\infty$$

$$.21280613+01 = \rho_s/\rho_\infty$$

$$.17961835+01 = T_s/T_\infty$$

\underline{u}_s	\underline{M}_∞	\underline{e}_s	$\underline{\Theta}_w$
.99680780+00	.29999956+02	.43633230-01	.59357017-01

$\underline{\Theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.43633230-01	.19935782+01	.43633230-01	.11451883+02	.50000000+00
.44069562-01	.19935786+01	.43201165-01	.11561147+02	.50982475+00
.44505894-01	.19935797+01	.42777271-01	.11673596+02	.51988710+00
.44942226-01	.19935815+01	.42361034-01	.11789373+02	.53019767+00
.45378558-01	.19935839+01	.41951970-01	.11908633+02	.54076782+00
.45814890-01	.19935870+01	.41549624-01	.12031539+02	.55160962+00
.46251222-01	.19935907+01	.41153566-01	.12158267+02	.56273602+00
.46687555-01	.19935950+01	.40763390-01	.12289006+02	.57416084+00
.47123887-01	.19935999+01	.40378707-01	.12423959+02	.58589896+00
.47560219-01	.19936053+01	.39999146-01	.12563344+02	.59796629+00
.47996551-01	.19936113+01	.39624351-01	.12707396+02	.61037996+00
.48432883-01	.19936178+01	.39253979-01	.12856371+02	.62315841+00
.48869215-01	.19936248+01	.38887698-01	.13010541+02	.63632153+00
.49305547-01	.19936323+01	.38525183-01	.13170205+02	.64989085+00
.49741879-01	.19936403+01	.38166120-01	.13335686+02	.66388972+00
.50178211-01	.19936488+01	.37810196-01	.13507336+02	.67834334+00
.50614543-01	.19936578+01	.37457103-01	.13685538+02	.69327938+00
.51050875-01	.19936672+01	.37106538-01	.13870711+02	.70872773+00
.51487207-01	.19936772+01	.36758194-01	.14063314+02	.72472127+00
.51923539-01	.19936877+01	.36411764-01	.14263852+02	.74129599+00
.52359872-01	.19936986+01	.36066938-01	.14472880+02	.75849138+00
.52796204-01	.19937101+01	.35723398-01	.14691011+02	.77635106+00
.53232536-01	.19937220+01	.35380818-01	.14918926+02	.79492326+00
.53668868-01	.19937344+01	.35038864-01	.15157384+02	.81426154+00
.54105200-01	.19937474+01	.34697185-01	.15407228+02	.83442549+00
.54541532-01	.19937609+01	.34355413-01	.15669406+02	.85548183+00
.54977857-01	.19937751+01	.34013156-01	.15944984+02	.87750531+00
.55414181-01	.19937899+01	.33669999-01	.16235178+02	.90058109+00
.55850506-01	.19938053+01	.33325496-01	.16541362+02	.92480516+00
.56286830-01	.19938213+01	.32979160-01	.16865107+02	.95028716+00
.56723155-01	.19938380+01	.32630457-01	.17208221+02	.97715276+00
.57159480-01	.19938554+01	.32278799-01	.17572799+02	.10055474+01
.57595804-01	.19938735+01	.31923524-01	.17961287+02	.10356402+01
.58032129-01	.19938923+01	.31563883-01	.18376558+02	.10676295+01
.58468454-01	.19939121+01	.31199022-01	.18822034+02	.11017509+01
.58904778-01	.19939327+01	.30827947-01	.19301813+02	.11382858+01
.59341103-01	.19939544+01	.30449492-01	.19820884+02	.11775757+01
.59357017-01	.19939552+01	.30435532-01	.19840636+02	.11790660+01

$$.16639672+00 = \Delta S/R$$

$$.43176202+01 = P_s/P_\infty$$

$$.22502569+01 = \rho_s/\rho_\infty$$

$$.19187233+01 = T_s/T_\infty$$

TABLE 36. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 1.0423414$

u_s	M_∞	θ_s	θ_w	
.50000938+00	.10423414+01	.87266460-01	.12918606+01	
θ	M_1^*	ψ_1	x	r
.87266460-01	.10000000+01	.87266460-01	.57150261+01	.50000000+00
.12042770+00	.10006467+01	.63208309-01	.57052359+01	.69040927+00
.15358894+00	.10017391+01	.49489463-01	.57052069+01	.88321245+00
.18675017+00	.10028503+01	.40602088-01	.57117385+01	.10792438+01
.21991141+00	.10038931+01	.34361783-01	.57232388+01	.12792950+01
.25307265+00	.10048546+01	.29728852-01	.57388307+01	.14841620+01
.28623389+00	.10057407+01	.26145086-01	.57580075+01	.16946730+01
.31939512+00	.10065611+01	.23284014-01	.57804872+01	.19117125+01
.34906571+00	.10072476+01	.21168239-01	.58032887+01	.21122234+01
.37873629+00	.10078956+01	.19369524-01	.58286044+01	.23194823+01
.40840687+00	.10085107+01	.17818611-01	.58564694+01	.25343193+01
.43807745+00	.10090976+01	.16465157-01	.58869652+01	.27576546+01
.46774803+00	.10096605+01	.15271399-01	.59202223+01	.29905179+01
.49741861+00	.10102028+01	.14208645-01	.59564183+01	.32340695+01
.52708896+00	.10107276+01	.13254382-01	.59957776+01	.34896220+01
.55326866+00	.10111783+01	.12488663-01	.60333555+01	.37262703+01
.57944836+00	.10116194+01	.11764099-01	.60738453+01	.39746047+01
.60562807+00	.10120522+01	.11132613-01	.61175188+01	.42359601+01
.63180777+00	.10124785+01	.10527529-01	.61646991+01	.45118642+01
.65798747+00	.10128994+01	.99630605-02	.62157645+01	.48040721+01
.68416717+00	.10133163+01	.94343722-02	.62711620+01	.51146150+01
.71034687+00	.10137304+01	.89373589-02	.63314212+01	.54458577+01
.73303594+00	.10140881+01	.85294396-02	.63880621+01	.57518098+01
.75572502+00	.10144454+01	.81405491-02	.64493076+01	.60774890+01
.77841409+00	.10148032+01	.77688918-02	.65157239+01	.64253410+01
.80110317+00	.10151623+01	.74128136-02	.65879786+01	.67982262+01
.82379224+00	.10155236+01	.70708990-02	.66668635+01	.71995119+01
.84648132+00	.10158879+01	.67417473-02	.67533246+01	.76331930+01
.86917039+00	.10162562+01	.64241439-02	.68485020+01	.81040488+01
.88836884+00	.10165717+01	.61635897-02	.69368622+01	.85357416+01
.90756729+00	.10168914+01	.59098825-02	.70334573+01	.90023420+01
.92676573+00	.10172161+01	.56624338-02	.71394984+01	.95088377+01
.94596418+00	.10175466+01	.54206476-02	.72564446+01	.10061218+02
.96516263+00	.10178837+01	.51839575-02	.73860776+01	.10666749+02
.98436107+00	.10182283+01	.49518421-02	.75305907+01	.11334336+02
.10035595+01	.10185816+01	.47236681-02	.76927159+01	.12075015+02
.10192670+01	.10188780+01	.45394003-02	.78408448+01	.12744961+02
.10349746+01	.10191818+01	.43571293-02	.80054140+01	.13482479+02
.10506821+01	.10194938+01	.41765720-02	.81893405+01	.14299192+02
.10663897+01	.10198153+01	.39973557-02	.83962943+01	.15209609+02

TABLE 36. (Concluded)

$M_{\infty} = .10423414+01$			$\Theta_s = .87266460-01$	
$\underline{\Theta}$	$\underline{M^*_1}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.10820972+01	.10201471+01	.38190931-02	.86308948+01	.16232081+02
.10978048+01	.10204909+01	.36413819-02	.88991780+01	.17390204+02
.11135123+01	.10208482+01	.34638047-02	.92090303+01	.18714855+02
.11257293+01	.10211368+01	.33254176-02	.94854273+01	.19886199+02
.11379463+01	.10214360+01	.31864792-02	.97998836+01	.21208424+02
.11501633+01	.10217470+01	.30466318-02	.10160968+02	.22714599+02
.11623803+01	.10220716+01	.29054880-02	.10580078+02	.24448511+02
.11745972+01	.10224118+01	.27625263-02	.11072709+02	.26469468+02
.11868142+01	.10227702+01	.26170909-02	.11660546+02	.28860061+02
.11990312+01	.10231499+01	.24684072-02	.12374928+02	.31739113+02
.12077576+01	.10234366+01	.23596287-02	.12987899+02	.34189835+02
.12164841+01	.10237384+01	.22481233-02	.13713932+02	.37072387+02
.12252105+01	.10240580+01	.21332502-02	.14588716+02	.40520362+02
.12339369+01	.10243990+01	.20140707-02	.15665288+02	.44731478+02
.12426633+01	.10247662+01	.18893927-02	.17026347+02	.50012743+02
.12513897+01	.10251665+01	.17573833-02	.18809250+02	.56871752+02
.12601161+01	.10256107+01	.16152710-02	.21262407+02	.66222008+02
.12653520+01	.10259053+01	.15232861-02	.23246977+02	.73726981+02
.12705878+01	.10262284+01	.14242977-02	.25846611+02	.83493405+02
.12758237+01	.10265900+01	.13156384-02	.29435528+02	.96879554+02
.12810585+01	.10270072+01	.11921623-02	.34805513+02	.11674715+03
.12862933+01	.10275199+01	.10436177-02	.44082123+02	.15074104+03
.12915280+01	.10282606+01	.83373487-03	.66997240+02	.23363337+03
.12918606+01	.10283264+01	.81525743-03	.69927181+02	.24415706+03

$$.36263373-07 = \Delta S/R$$

$$.10549268+01 = P_s/P_{\infty}$$

$$.10326024+01 = \rho_s/\rho_{\infty}$$

$$.10216196+01 = T_s/T_{\infty}$$

TABLE 37. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 1.5$

u_s	M_∞	θ_s	θ_w	
.64180595+00	.14999996+01	.87266460-01	.73101837+00	
θ	M^*_1	ψ_1	x	r
.87266460-01	.12835878+01	.87266460-01	.57150261+01	.50000000+00
.10559241+00	.12839029+01	.72106095-01	.58196597+01	.61680597+00
.12391835+00	.12845577+01	.61390738-01	.59319773+01	.73886667+00
.14224430+00	.12853330+01	.53394539-01	.60520493+01	.86672301+00
.16057025+00	.12861405+01	.47184423-01	.61801676+01	.10009685+01
.17889620+00	.12869430+01	.42211048-01	.63167962+01	.11422625+01
.19722214+00	.12877246+01	.38129574-01	.64625496+01	.12913444+01
.21380276+00	.12884085+01	.35014004-01	.66029149+01	.14336329+01
.23038338+00	.12890691+01	.32324109-01	.67520399+01	.15836761+01
.24696400+00	.12897069+01	.29974055-01	.69107053+01	.17422612+01
.26354462+00	.12903229+01	.27899511-01	.70798188+01	.19102810+01
.28012524+00	.12909189+01	.26051242-01	.72604282+01	.20887520+01
.29670586+00	.12914964+01	.24391036-01	.74537486+01	.22788387+01
.31154115+00	.12919991+01	.23040146-01	.76386444+01	.24598545+01
.32637644+00	.12924896+01	.21797970-01	.78360104+01	.26523420+01
.34121173+00	.12929693+01	.20650033-01	.80471905+01	.28575639+01
.35604702+00	.12934393+01	.19584142-01	.82737354+01	.30769732+01
.37088231+00	.12939007+01	.18590055-01	.85174479+01	.33122528+01
.38571760+00	.12943546+01	.17659031-01	.87804320+01	.35653620+01
.39880756+00	.12947498+01	.16883913-01	.90304393+01	.38053217+01
.41189753+00	.12951407+01	.16147524-01	.92993470+01	.40627828+01
.42498749+00	.12955279+01	.15445959-01	.95894659+01	.43398861+01
.43807745+00	.12959123+01	.14775585-01	.99034996+01	.46391358+01
.45116741+00	.12962945+01	.14133226-01	.10244643+02	.49634855+01
.46425737+00	.12966752+01	.13515983-01	.10616689+02	.53164390+01
.47560201+00	.12970047+01	.12999300-01	.10997616+02	.56486902+01
.48694664+00	.12973341+01	.12497876-01	.11348674+02	.60088102+01
.49829128+00	.12976639+01	.12010250-01	.11764042+02	.64006488+01
.50963583+00	.12979949+01	.11534899-01	.12218711+02	.68288017+01
.52098037+00	.12983275+01	.11070520-01	.12718708+02	.72988125+01
.53232490+00	.12986624+01	.10615811-01	.13271362+02	.78174204+01
.54192413+00	.12989481+01	.10237686-01	.13786745+02	.83002841+01
.55152335+00	.12992365+01	.98647624-02	.14352915+02	.88299581+01
.56112257+00	.12995280+01	.94962046-02	.14977962+02	.94138651+01
.57072180+00	.12998233+01	.91312975-02	.15671808+02	.10041103+02
.58032102+00	.13001229+01	.87691098-02	.16446762+02	.10782947+02
.58992025+00	.13004277+01	.84087700-02	.17318282+02	.11593553+02
.59777416+00	.13006814+01	.81146434-02	.18116767+02	.12335236+02
.60562807+00	.13009396+01	.78205168-02	.19006562+02	.13160734+02
.61346190+00	.13012033+01	.75257793-02	.20004853+02	.14085544+02

TABLE 37. (Concluded)

$$M_{\infty} = .14999996+01$$

$$\Theta_s = .87266460-01$$

Θ	M_1^*	ψ_1	x	r
.62133589+00	.13014727+01	.72296709-02	.21132566+02	.15129389+02
.62918980+00	.13017489+01	.69314167-02	.22418007+02	.16317496+02
.63704371+00	.13020329+01	.66300854-02	.23897270+02	.17682996+02
.64315230+00	.13022598+01	.63928664-02	.25212303+02	.18895490+02
.64926090+00	.13024929+01	.61525255-02	.26703563+02	.20269040+02
.65536950+00	.13027330+01	.59063328-02	.28409914+02	.21839035+02
.66147809+00	.13029809+01	.56594685-02	.30382728+02	.23652226+02
.66758669+00	.13032379+01	.54048598-02	.32691450+02	.25771768+02
.67369529+00	.13035055+01	.51432848-02	.35432372+02	.28285186+02
.67805857+00	.13037842+01	.49512982-02	.37728782+02	.30388851+02
.68242186+00	.13039101+01	.47542006-02	.40383982+02	.32819045+02
.68678514+00	.13041243+01	.45511499-02	.43491931+02	.35660936+02
.69114842+00	.13043480+01	.43409765-02	.47182813+02	.39032861+02
.69551171+00	.13045831+01	.41223094-02	.51644090+02	.43104466+02
.69987499+00	.13048317+01	.38931966-02	.57154587+02	.48128431+02
.70249296+00	.13049886+01	.37497506-02	.61136274+02	.51755459+02
.70511093+00	.13051523+01	.36009178-02	.65784412+02	.55986685+02
.70772880+00	.13053238+01	.34458041-02	.71288639+02	.60993648+02
.71034619+00	.13055046+01	.32832772-02	.77919532+02	.67020988+02
.71296358+00	.13056965+01	.31118095-02	.86082324+02	.74434944+02
.71558097+00	.13059020+01	.29292628-02	.96408251+02	.83805732+02
.71819836+00	.13061246+01	.27326345-02	.10994671+03	.96080822+02
.72081575+00	.13063699+01	.25172457-02	.12859527+03	.11297251+03
.72343314+00	.13066470+01	.22753179-02	.15622248+03	.13796950+03
.72605053+00	.13069737+01	.19918457-02	.20235044+03	.17965280+03
.72866791+00	.13073946+01	.16288906-02	.30037175+03	.26808823+03
.73101837+00	.13080425+01	.10738298-02	.68577885+03	.61497434+03

$$.11234079-07 = \Delta S/R$$

$$.10745277+01 = P_s/P_{\infty}$$

$$.10440714+01 = \rho_s/\rho_{\infty}$$

$$.10291707+01 = T_s/T_{\infty}$$

TABLE 38. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 2.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.74338059+00	.19999981+01	.87266460-01	.52560388+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.87266460-01	.14867333+01	.87266460-01	.57150261+01	.50000000+00
.10122909+00	.14869604+01	.75217399-01	.58442458+01	.59363677+00
.11519171+00	.14874692+01	.66050500-01	.59835918+01	.69232507+00
.12915434+00	.14881102+01	.58818432-01	.61335826+01	.79661311+00
.14311697+00	.14888110+01	.52949805-01	.62949527+01	.90711631+00
.15707959+00	.14895345+01	.48078740-01	.64686407+01	.10245318+01
.16973322+00	.14901934+01	.44318946-01	.66376420+01	.11375736+01
.18238686+00	.14908473+01	.41046906-01	.68187202+01	.12576208+01
.19504048+00	.14914921+01	.38167136-01	.70130687+01	.13854448+01
.20769411+00	.14921257+01	.35607373-01	.72220852+01	.15219315+01
.22034774+00	.14927474+01	.33311900-01	.74474033+01	.16681035+01
.23169238+00	.14932946+01	.31442463-01	.76648414+01	.18083601+01
.24303701+00	.14938328+01	.29724807-01	.78985327+01	.19583463+01
.25438165+00	.14943624+01	.28138068-01	.81503540+01	.21192102+01
.26572628+00	.14948842+01	.26664719-01	.84224948+01	.22922870+01
.27707091+00	.14953991+01	.25290150-01	.87175288+01	.24791405+01
.28710655+00	.14958494+01	.24146445-01	.90000324+01	.26573890+01
.29714219+00	.14962956+01	.23062777-01	.93053049+01	.28493563+01
.30717783+00	.14967384+01	.22032559-01	.96362588+01	.30568000+01
.31721346+00	.14971785+01	.21049935-01	.99963369+01	.32817944+01
.32724910+00	.14976167+01	.20109732-01	.10389635+02	.35268042+01
.33597574+00	.14979968+01	.19322921-01	.10762436+02	.37584092+01
.34470239+00	.14983766+01	.18561777-01	.11167919+02	.40096908+01
.35342903+00	.14987567+01	.17823633-01	.11610679+02	.42834035+01
.36215567+00	.14991378+01	.17106026-01	.12096222+02	.45828463+01
.37088231+00	.14995204+01	.16406599-01	.12631213+02	.49120079+01
.37829996+00	.14998475+01	.15824661-01	.13130872+02	.52187704+01
.38571760+00	.15001769+01	.15252840-01	.13678184+02	.55541319+01
.39313525+00	.15005091+01	.14689773-01	.14280475+02	.59224650+01
.40055289+00	.15008446+01	.14134068-01	.14946684+02	.63291000+01
.40797054+00	.15011843+01	.13584357-01	.15687824+02	.67805987+01
.41407919+00	.15014677+01	.13135117-01	.16364037+02	.71918241+01
.42018783+00	.15017550+01	.12688115-01	.17109784+02	.76446148+01
.42629648+00	.15020466+01	.12242422-01	.17936662+02	.81458654+01
.43240513+00	.15023433+01	.11797085-01	.18859037+02	.87041104+01
.43851378+00	.15026459+01	.11350997-01	.19874950+02	.93300586+01
.44331343+00	.15028803+01	.10999203+01	.20880327+02	.98781139+01
.44811309+00	.15031353+01	.10645553-01	.21880967+02	.10484563+02
.45291274+00	.15033875+01	.10289364-01	.22931429+02	.11159636+02
.45771239+00	.15036456+01	.99297725-02	.24190196+02	.11916159+02

TABLE 38. (Concluded)

$$M_{\infty} = .19999981+01$$

$$\Theta_s = .87266460-01$$

Θ	M_1^*	ψ_1	x	r
.46251205+00	.15039103+01	.95658302-02	.25613518+02	.12770422+02
.46600270+00	.15041075+01	.92977770-02	.26771961+02	.13464887+02
.46949336+00	.15043092+01	.90263486-02	.28053319+02	.14232253+02
.47298402+00	.15045157+01	.87509602-02	.29478894+02	.15085104+02
.47647467+00	.15047277+01	.84709972-02	.31075369+02	.16039185+02
.47996533+00	.15049458+01	.81856586-02	.32876545+02	.17114437+02
.48214699+00	.15050856+01	.80041923-02	.34125098+02	.17859124+02
.48432865+00	.15052283+01	.78200549-02	.35483517+02	.18668772+02
.48651031+00	.15053742+01	.76329224-02	.36967542+02	.19552648+02
.48869197+00	.15055235+01	.74424408-02	.38596098+02	.20521898+02
.49087363+00	.15056767+01	.72482899-02	.40392238+02	.21590089+02
.49305529+00	.15058340+01	.70499927-02	.42384304+02	.22773896+02
.49523691+00	.15059965+01	.68475679-02	.44607551+02	.24094049+02
.49741854+00	.15061642+01	.66395904-02	.47106574+02	.25576764+02
.49960016+00	.15063377+01	.64262338-02	.49938544+02	.27255630+02
.50178140+00	.15065178+01	.62053502-02	.53177518+02	.29174133+02
.50396256+00	.15067054+01	.59765577-02	.56923350+02	.31390885+02
.50614372+00	.15069016+01	.57385117-02	.61312186+02	.33985758+02
.50832488+00	.15071080+01	.54895356-02	.66535500+02	.37071020+02
.51050603+00	.15073265+01	.52274391-02	.72872656+02	.40810382+02
.51268719+00	.15075599+01	.49490854-02	.80749769+02	.45453399+02
.51486835+00	.15078121+01	.46501756-02	.90855040+02	.51402854+02
.51704951+00	.15080888+01	.43240786-02	.10438769+03	.59360128+02
.51923066+00	.15083995+01	.39599091-02	.12367404+03	.70684752+02
.52141182+00	.15087623+01	.35372898-02	.15403280+03	.88482294+02
.52359298+00	.15092198+01	.30077249-02	.21179950+03	.12228086+03
.52560388+00	.15098783+01	.22502169-02	.37642937+03	.21833913+03

$$.57159923-07 = \Delta S/R$$

$$.11134598+01 = P_s/P_{\infty}$$

$$.10666063+01 = \rho_s/\rho_{\infty}$$

$$.10439276+01 = T_s/T_{\infty}$$

TABLE 39. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 2.5$

u_s	M_∞	θ_s	θ_w	
.80985614+00	.24999925+01	.87266460-01	.41481444+00	
θ	M_1^*	ψ_1	x	r
.87266460-01	.16196819+01	.87266460-01	.57150261+01	.50000000+00
.97302098-01	.16198184+01	.78258143-01	.58388887+01	.56993590+00
.10733774+00	.16201471+01	.70906622-01	.59716752+01	.64345916+00
.11737337+00	.16205884+01	.64774835-01	.61139362+01	.72092696+00
.12740901+00	.16210963+01	.59568202-01	.62663593+01	.80273896+00
.13744465+00	.16216431+01	.55080445-01	.64297748+01	.88934541+00
.14660762+00	.16221618+01	.51483620-01	.65894110+01	.97303929+00
.15577060+00	.16226905+01	.48276415-01	.67599026+01	.10615943+01
.16493357+00	.16232238+01	.45392884-01	.69422600+01	.11555085+01
.17409654+00	.16237583+01	.42781031-01	.71376499+01	.12553489+01
.18325952+00	.16242918+01	.40399252-01	.73474227+01	.13617638+01
.19154983+00	.16247725+01	.38414285-01	.75509135+01	.14643295+01
.19984014+00	.16252509+01	.36569299-01	.77688001+01	.15735208+01
.20813045+00	.16257265+01	.34846861-01	.80026273+01	.16900647+01
.21642075+00	.16261995+01	.33232134-01	.82541826+01	.18147991+01
.22471106+00	.16266701+01	.31712301-01	.85255469+01	.19486955+01
.23212871+00	.16270893+01	.30423872-01	.87871178+01	.20771859+01
.23954635+00	.16275071+01	.29195644-01	.90685195+01	.22148584+01
.24696400+00	.16279238+01	.28021425-01	.93721156+01	.23628085+01
.25438165+00	.16283400+01	.26895657-01	.97006701+01	.25223149+01
.26179929+00	.16287561+01	.25813259-01	.10057439+02	.26948816+01
.26834427+00	.16291235+01	.24890579-01	.10398730+02	.28594053+01
.27488925+00	.16294917+01	.23995180-01	.10768117+02	.30369220+01
.28143423+00	.16298611+01	.23124311-01	.11169293+02	.32291297+01
.28797922+00	.16302323+01	.22275358-01	.11606642+02	.34380427+01
.29452420+00	.16306059+01	.21445870-01	.12085413+02	.36660683+01
.30019651+00	.16309319+01	.20740841-01	.12538712+02	.38813781+01
.30586883+00	.16312606+01	.20047024-01	.13032812+02	.41154808+01
.31154115+00	.16315926+01	.19362956-01	.13573638+02	.43710864+01
.31721346+00	.16319283+01	.18686999-01	.14168349+02	.46514646+01
.32288578+00	.16322684+01	.18017575-01	.14825672+02	.49605982+01
.32768543+00	.16325601+01	.17455027-01	.15438678+02	.52482364+01
.33248509+00	.16328561+01	.16894929-01	.16112156+02	.55635902+01
.33728474+00	.16331568+01	.16336109-01	.16855829+02	.59110825+01
.34208439+00	.16334630+01	.15777387-01	.17681672+02	.62961574+01
.34688405+00	.16337754+01	.15217375-01	.18604611+02	.67255920+01
.35081103+00	.16340363+01	.14757190-01	.19444990+02	.71158525+01
.35473802+00	.16343025+01	.14294203-01	.20375818+02	.75473492+01
.35866501+00	.16345747+01	.13827402-01	.21413130+02	.80273433+01
.36259200+00	.16348538+01	.13355572-01	.22577098+02	.85649567+01

TABLE 39. (Concluded)

$$M_{\infty} = .24999925+01$$

$$\Theta_s = .87266460-01$$

Θ	M_1^*	ψ_1	x	r
.36651899+00	.16351405+01	.12877345-01	.23893436+02	.91718262+01
.36957331+00	.16353696+01	.12499861-01	.25043682+02	.97012303+01
.37262764+00	.16356047+01	.12116674-01	.26326222+02	.10290635+02
.37568196+00	.16358465+01	.11726651-01	.27766392+02	.10951465+02
.37873624+00	.16360969+01	.11329126-01	.29396639+02	.11698336+02
.38179051+00	.16363560+01	.10922048-01	.31259337+02	.12550323+02
.38397213+00	.16365471+01	.10624353-01	.32762678+02	.13236969+02
.38615375+00	.16367438+01	.10320082-01	.34439578+02	.14001956+02
.38833538+00	.16369470+01	.10008231-01	.36323708+02	.14860406+02
.39051700+00	.16371573+01	.96876211-02	.38458407+02	.15831765+02
.39269862+00	.16373758+01	.93569495-02	.40900502+02	.16941521+02
.39400760+00	.16375114+01	.91529787-02	.42543969+02	.17687545+02
.39531657+00	.16376508+01	.89442842-02	.44345985+02	.18504847+02
.39662554+00	.16377942+01	.87303482-02	.46332233+02	.19404922+02
.39793452+00	.16379421+01	.85105933-02	.48534465+02	.20401979+02
.39924349+00	.16380952+01	.82843006-02	.50992580+02	.21513860+02
.40055247+00	.16382540+01	.80505274-02	.53757426+02	.22763291+02
.40186144+00	.16384193+01	.78082569-02	.56894988+02	.24179751+02
.40317041+00	.16385920+01	.75561628-02	.60492774+02	.25802309+02
.40447939+00	.16387734+01	.72925538-02	.64669659+02	.27684005+02
.40578836+00	.16389650+01	.70153289-02	.69592149+02	.29899090+02
.40709731+00	.16391690+01	.67214631-02	.75502132+02	.32555353+02
.40840631+00	.16393882+01	.64070188-02	.82767707+02	.35816713+02
.40971528+00	.16396271+01	.60600057-02	.91983764+02	.39947881+02
.41102426+00	.16398922+01	.56891330-02	.10419462+03	.45413172+02
.41233323+00	.16401954+01	.52602626-02	.12146741+03	.53130816+02
.41364221+00	.16405608+01	.47458149-02	.14878117+03	.65310222+02
.41481444+00	.16409958+01	.41362531-02	.19544044+03	.86065553+02

$$.55134296-06 = \Delta S/R$$

$$.11598375+01 = P_s/P_{\infty}$$

$$.10930434+01 = \rho_s/\rho_{\infty}$$

$$.10611083+01 = T_s/T_{\infty}$$

TABLE 40. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 3.0$

u_s	M_∞	θ_s	θ_w	
.85438021+00	.29999978+01	.87266460-01	.34490862+00	
θ	M_1^*	ψ_1	x	r
.87266460-01	.17087284+01	.87266460-01	.57150261+01	.50000000+00
.94684105-01	.17088107+01	.80425167-01	.58278440+01	.55345910+00
.10210175+00	.17090195+01	.74559456-01	.59479209+01	.60941225+00
.10951940+00	.17093135+01	.69461384-01	.60757157+01	.66808193+00
.11693704+00	.17096658+01	.64978862-01	.62117701+01	.72971514+00
.12435469+00	.17100584+01	.60997810-01	.63567165+01	.79458755+00
.13177233+00	.17104788+01	.57430806-01	.65112869+01	.86300830+00
.13918998+00	.17109185+01	.54209629-01	.66763230+01	.93532533+00
.14573496+00	.17113177+01	.51611152-01	.68314058+01	.10026832+01
.15227994+00	.17117243+01	.49209390-01	.69961523+01	.10736858+01
.15882492+00	.17121361+01	.46979122-01	.71714259+01	.11486760+01
.16536990+00	.17125517+01	.44899130-01	.73582106+01	.12280415+01
.17191488+00	.17129699+01	.42951399-01	.75576280+01	.13122217+01
.17845986+00	.17133901+01	.41120503-01	.77709633+01	.14017173+01
.18500485+00	.17138117+01	.39393136-01	.79996936+01	.14971015+01
.19067716+00	.17141781+01	.37970858-01	.82116917+01	.15850383+01
.19634948+00	.17145454+01	.36610980-01	.84378076+01	.16783837+01
.20202180+00	.17149135+01	.35307541-01	.86794990+01	.17776983+01
.20769411+00	.17152827+01	.34055153-01	.89384412+01	.18836243+01
.21336643+00	.17156530+01	.32848932-01	.92165669+01	.19969015+01
.21903675+00	.17160248+01	.31594414-01	.95161192+01	.21183863+01
.22471106+00	.17163984+01	.30356743-01	.98397155+01	.22490767+01
.22951072+00	.17167161+01	.29630341-01	.10134573+02	.23677130+01
.23431037+00	.17170356+01	.28725196-01	.10451010+02	.24946002+01
.23911002+00	.17173572+01	.27839959-01	.10791549+02	.26306950+01
.24390968+00	.17176812+01	.26972570-01	.11159127+02	.27771107+01
.24870933+00	.17180080+01	.26121091-01	.11557195+02	.29351524+01
.25350898+00	.17183380+01	.25283650-01	.11989828+02	.31063613+01
.25830863+00	.17186718+01	.24458274-01	.12461891+02	.32925722+01
.26323562+00	.17189480+01	.23790598-01	.12881496+02	.34576100+01
.26816261+00	.17192274+01	.23128677-01	.13335189+02	.36355885+01
.27308960+00	.17195104+01	.22471368-01	.13827461+02	.38281960+01
.27401659+00	.17197975+01	.21817558-01	.14363649+02	.40374380+01
.27794358+00	.17200890+01	.21166030-01	.14950152+02	.42657144+01
.28187057+00	.17203857+01	.20515457-01	.15594712+02	.45159267+01
.28579755+00	.17206880+01	.19864473-01	.16306798+02	.47916192+01
.28885188+00	.17209277+01	.19356865-01	.16914726+02	.50264282+01
.29190620+00	.17211716+01	.18847253-01	.17577236+02	.52817822+01
.29496053+00	.17214204+01	.18334758-01	.18302395+02	.55606905+01
.29801485+00	.17216745+01	.17818395-01	.19099989+02	.58667999+01

TABLE 40. (Concluded) ²¹

$$M_{\infty} = .29999978+01$$

$$\Theta_s = .87266460-01$$

Θ	M_1^*	ψ_1	x	τ
.30106918+00	.17219347+01	.17297033-01	.19982035+02	.62045840+01
.30412349+00	.17222018+01	.16769491-01	.20963450+02	.65795906+01
.30717776+00	.17224773+01	.16234383-01	.22063040+02	.69988040+01
.30935938+00	.17226793+01	.15846480-01	.22933882+02	.73301572+01
.31154101+00	.17228861+01	.15452985-01	.23888075+02	.76926163+01
.31372263+00	.17230982+01	.15053127-01	.24938948+02	.80911180+01
.31590425+00	.17233163+01	.14645789-01	.26102962+02	.85317531+01
.31808588+00	.17235410+01	.14229830-01	.27400694+02	.90221281+01
.32026750+00	.17237733+01	.13803832-01	.28858291+02	.95719000+01
.32244912+00	.17240141+01	.13366163-01	.30509517+02	.10193526+02
.32375810+00	.17241632+01	.13097081-01	.31611139+02	.10607605+02
.32506707+00	.17243161+01	.12822531-01	.32810287+02	.11057803+02
.32637604+00	.17244733+01	.12541886-01	.34121549+02	.11549487+02
.32768502+00	.17246352+01	.12254469-01	.35562727+02	.12069205+02
.32899399+00	.17248024+01	.11959378-01	.37155828+02	.12685045+02
.33030296+00	.17249753+01	.11655632-01	.38928407+02	.13347126+02
.33161194+00	.17251548+01	.11342064-01	.40915527+02	.14088318+02
.33292091+00	.17253418+01	.11017106-01	.43162615+02	.14925276+02
.33422989+00	.17255375+01	.10679036-01	.45729842+02	.15880049+02
.33553886+00	.17257433+01	.10325421-01	.48698892+02	.16982540+02
.33684783+00	.17259611+01	.99532008-02	.52184172+02	.18274595+02
.33815681+00	.17261935+01	.95582120-02	.56351988+02	.19816988+02
.33946578+00	.17264441+01	.91345869-02	.61456308+02	.21702430+02
.34077476+00	.17267184+01	.86735487-02	.67910166+02	.24001543+02
.34208373+00	.17270252+01	.81609697-02	.76447862+02	.27221790+02
.34339270+00	.17273803+01	.75712129-02	.88559486+02	.31645215+02
.34470168+00	.17278190+01	.68470612-02	.10804158+03	.38790788+02
.34490862+00	.17279011+01	.67119673-02	.11240861+03	.40384970+02

$$.35413541-05 = \Delta S/R$$

$$.12126438+01 = P_s/P_{\infty}$$

$$.11226343+01 = \rho_s/\rho_{\infty}$$

$$.10801770+01 = T_s/T_{\infty}$$

TABLE 41. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 4.0$

u_s	M_∞	θ_s	θ_w	
.90702194+00	.39999973+01	.87266460-01	.26239745+00	
θ	M_1^*	ψ_1	x	r
.87266460-01	.18140159+01	.87266460-01	.57150261+01	.50000000+00
.92502445-01	.18140611+01	.82323913-01	.58230925+01	.54019191+00
.97738430-01	.18141814+01	.77898351-01	.59376932+01	.58219584+00
.10297441+00	.18143584+01	.73902987-01	.60592874+01	.62616635+00
.10821040+00	.18145792+01	.70269713-01	.61884000+01	.67227527+00
.11344638+00	.18148341+01	.66944179-01	.63256301+01	.72071439+00
.11868237+00	.18151157+01	.63882379-01	.64716614+01	.77169877+00
.12391835+00	.18154186+01	.61048221-01	.66272736+01	.82547040+00
.12915434+00	.18157389+01	.58411753-01	.67933580+01	.88230296+00
.13439032+00	.18160732+01	.55947859-01	.69709364+01	.94250735+00
.13875365+00	.18163609+01	.54010987-01	.71285402+01	.99550782+00
.14311697+00	.18166557+01	.52168472-01	.72957125+01	.10513280+01
.14748029+00	.18169568+01	.50410902-01	.74733300+01	.11102298+01
.15184361+00	.18172636+01	.48729902-01	.76623876+01	.11725097+01
.15620693+00	.18175756+01	.47117993-01	.78640192+01	.12385041+01
.16057025+00	.18178926+01	.45568414-01	.80795224+01	.13085967+01
.16493357+00	.18182143+01	.44075053-01	.83103899+01	.13832277+01
.16929689+00	.18185407+01	.42632312-01	.85583489+01	.14629049+01
.17366021+00	.18188718+01	.41235028-01	.88254080+01	.15482172+01
.17715087+00	.18191401+01	.40146699-01	.90543729+01	.16209824+01
.18064152+00	.18194117+01	.39082071-01	.92984508+01	.16981981+01
.18413218+00	.18196867+01	.38038924-01	.95592375+01	.17803293+01
.18762284+00	.18199652+01	.37015097-01	.98385719+01	.18679106+01
.19111349+00	.18202475+01	.36008509-01	.10138582+02	.19615597+01
.19460415+00	.18205339+01	.35017090-01	.10461752+02	.20619960+01
.19809481+00	.18208247+01	.34038795-01	.10810993+02	.21700616+01
.20158546+00	.18211204+01	.33071551-01	.11189750+02	.22867505+01
.20507612+00	.18214214+01	.32113243-01	.11602128+02	.24132453+01
.20769411+00	.18216509+01	.31399060-01	.11936408+02	.25153948+01
.21031211+00	.18218840+01	.30687727-01	.12294816+02	.26245589+01
.21293010+00	.18221211+01	.29978178-01	.12680216+02	.27415587+01
.21554809+00	.18223623+01	.29269367-01	.13095966+02	.28673553+01
.21816608+00	.18226082+01	.28560158-01	.13546029+02	.30030812+01
.22078408+00	.18228591+01	.27849227-01	.14035121+02	.31500824+01
.22340207+00	.18231157+01	.27135249-01	.14568910+02	.33099740+01
.22602002+00	.18233795+01	.26416890-01	.15154263+02	.34847085+01
.22863796+00	.18236503+01	.25692165-01	.15799624+02	.36766847+01
.23038326+00	.18239351+01	.25204487-01	.16268277+02	.38156864+01
.23212856+00	.18240237+01	.24712462-01	.16771949+02	.39647165+01
.23387386+00	.18242164+01	.24215277-01	.17315039+02	.41250193+01

TABLE 41. (Concluded)

$$M_{\infty} = .39999973+01$$

$$\Theta_s = .87266460-01$$

Θ	M_1^*	ψ_1	x	r
.23561916+00	.18244135+01	.23712125-01	.17902760+02	.42980668+01
.23736446+00	.18246156+01	.23202054-01	.18541331+02	.44856137+01
.23910975+00	.18248231+01	.22683959-01	.19238265+02	.46897761+01
.24085505+00	.18250366+01	.22156551-01	.20002715+02	.49131298+01
.24260035+00	.18252549+01	.21618359-01	.20845978+02	.51588487+01
.24434565+00	.18254847+01	.21067601-01	.21782197+02	.54309013+01
.24521830+00	.18256018+01	.20786863-01	.22290603+02	.55783265+01
.24609095+00	.18257211+01	.20502143-01	.22829366+02	.57343287+01
.24696360+00	.18258429+01	.20213094-01	.23401576+02	.58997721+01
.24783625+00	.18259674+01	.19919317-01	.24010794+02	.60756519+01
.24870890+00	.18260947+01	.19620452-01	.24661121+02	.62631132+01
.24958155+00	.18262251+01	.19315936-01	.25357347+02	.64634923+01
.25045419+00	.18263588+01	.19005209-01	.26105096+02	.66783565+01
.25132684+00	.18264963+01	.18687703-01	.26911007+02	.69095557+01
.25219949+00	.18266377+01	.18362612-01	.27783013+02	.71592973+01
.25307214+00	.18267836+01	.18029116-01	.28730676+02	.74302397+01
.25394479+00	.18269344+01	.17686144-01	.29765650+02	.77256198+01
.25481744+00	.18270907+01	.17332539-01	.30902360+02	.80494410+01
.25569009+00	.18272533+01	.16966835-01	.32158863+02	.84067088+01
.25656274+00	.18274229+01	.16587198-01	.33558228+02	.88038125+01
.25743539+00	.18276008+01	.16191382-01	.35130484+02	.92490591+01
.25830804+00	.18277883+01	.15776511-01	.36915697+02	.97535205+01
.25918069+00	.18279871+01	.15338793-01	.38968917+02	.10332392+02
.26005334+00	.18281999+01	.14873061-01	.41368627+02	.11007308+02
.26092599+00	.18284302+01	.14371965-01	.44232094+02	.11810557+02
.26179864+00	.18286833+01	.13824426-01	.47745775+02	.12793403+02
.26267129+00	.18289745+01	.13412986-01	.50691417+02	.13615222+02

$$.61118975-04 = \Delta S/R$$

$$.13362939+01 = P_s/P_{\infty}$$

$$.11899510+01 = \rho_s/\rho_{\infty}$$

$$.11229823+01 = T_s/T_{\infty}$$

TABLE 42. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 5.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.93516578+00	.49999840+01	.87266460-01	.21643371+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.87266460-01	.18702965+01	.87266460-01	.57150261+01	.50000000+00
.90757117-01	.18703179+01	.83908678-01	.58044221+01	.52824376+00
.94247773-01	.18703770+01	.80793386-01	.58982422+01	.55754799+00
.97738430-01	.18704674+01	.77890179-01	.59967617+01	.58798756+00
.10122909+00	.18705840+01	.75173599-01	.61002874+01	.61964452+00
.10471974+00	.18707228+01	.72622117-01	.62091604+01	.65260897+00
.10821040+00	.18708805+01	.70217362-01	.63237605+01	.68698014+00
.11170106+00	.18710545+01	.67943521-01	.64445111+01	.72286762+00
.11519171+00	.18712426+01	.65786885-01	.65718850+01	.76039290+00
.11868237+00	.18714431+01	.63735484-01	.67064121+01	.79969109+00
.12217303+00	.18716545+01	.61778781-01	.68486866+01	.84091282+00
.12566368+00	.18718758+01	.59907455-01	.69993767+01	.88422673+00
.12915434+00	.18721059+01	.58113195-01	.71592387+01	.92982256+00
.13264500+00	.18723441+01	.56388542-01	.73291280+01	.97791424+00
.13613565+00	.18725900+01	.54726757-01	.75100207+01	.10287446+01
.13962631+00	.18728430+01	.53121705-01	.77030297+01	.10825900+01
.14224430+00	.18730372+01	.51951742-01	.78565009+01	.11251412+01
.14486229+00	.18732352+01	.50808305-01	.80181149+01	.11697162+01
.14748029+00	.18734369+01	.49669291-01	.81885563+01	.12164831+01
.15009828+00	.18736424+01	.48592702-01	.83685908+01	.12656300+01
.15271627+00	.18738516+01	.47516618-01	.85590822+01	.13173684+01
.15533426+00	.18740645+01	.46459183-01	.87610065+01	.13719366+01
.15795226+00	.18742813+01	.45418594-01	.89754696+01	.14296045+01
.16057025+00	.18745021+01	.44393089-01	.92037361+01	.14906795+01
.16318824+00	.18747271+01	.43380912-01	.94472535+01	.15555132+01
.16580623+00	.18749564+01	.42380322-01	.97076906+01	.16245098+01
.16842423+00	.18751904+01	.41389553-01	.99869827+01	.16981371+01
.17104222+00	.18754292+01	.40406806-01	.10287388+02	.17769399+01
.17366021+00	.18756732+01	.39430222-01	.10611560+02	.18615570+01
.17627820+00	.18759229+01	.38457848-01	.10962643+02	.19527435+01
.17889620+00	.18761787+01	.37487611-01	.11344395+02	.20514001+01
.18064152+00	.18763530+01	.36840873-01	.11618136+02	.21218477+01
.18238685+00	.18765304+01	.36193380-01	.11909079+02	.21964687+01
.18413217+00	.18767116+01	.35544418-01	.12219034+02	.22756945+01
.18587746+00	.18768968+01	.34893150-01	.12550093+02	.23600221+01
.18762276+00	.18770860+01	.34238627-01	.12904684+02	.24500291+01
.18936806+00	.18772795+01	.33579826-01	.13285649+02	.25463886+01
.19111336+00	.18774776+01	.32915646-01	.13696328+02	.26498919+01
.19285866+00	.18776809+01	.32244846-01	.14140699+02	.27614786+01
.19460396+00	.18778897+01	.31566009-01	.14623524+02	.28822723+01

TABLE 42. (Concluded)

$$M_{\infty} = .49999840+01$$

$$\Theta_s = .87266460-01$$

Θ	M_1^*	ψ_1	x	r
.19634926+00	.18781048+01	.30877489-01	.15150578+02	.30136328+01
.19809459+00	.18783268+01	.30177422-01	.15728943+02	.31572243+01
.19983985+00	.18785565+01	.29463569-01	.16367420+02	.33151114+01
.20158515+00	.18787951+01	.28733229-01	.17077112+02	.34898932+01
.20333045+00	.18790437+01	.27983177-01	.17872296+02	.36849045+01
.20507575+00	.18793040+01	.27209330-01	.18771695+02	.39045075+01
.20594840+00	.18794391+01	.26811909-01	.19268019+02	.40252888+01
.20682105+00	.18795780+01	.26406497-01	.19800498+02	.41545663+01
.20769370+00	.18797209+01	.25992159-01	.20373834+02	.42934299+01
.20856635+00	.18798684+01	.25567856-01	.20993653+02	.44431831+01
.20943899+00	.18800208+01	.25132354-01	.21666759+02	.46054000+01
.21031164+00	.18801789+01	.24684180-01	.22401510+02	.47820114+01
.21118429+00	.18803432+01	.24221528-01	.23208288+02	.49754124+01
.21205694+00	.18805147+01	.23742236-01	.24100235+02	.51886307+01
.21292959+00	.18806944+01	.23243576-01	.25094288+02	.54255618+01
.21380224+00	.18808839+01	.22722062-01	.26212801+02	.56913406+01
.21467489+00	.18810847+01	.22173163-01	.27486104+02	.59929221+01
.21554754+00	.18812995+01	.21590646-01	.28956834+02	.63400677+01
.21642019+00	.18815318+01	.20965856-01	.30687603+02	.67470865+01
.21643371+00	.18815355+01	.20955803-01	.30716914+02	.67539663+01

$$.42747334-03 = \Delta S/R$$

$$.14833703+01 = P_s/P_{\infty}$$

$$.12666990+01 = \rho_s/\rho_{\infty}$$

$$.11710519+01 = T_s/T_{\infty}$$

TABLE 43. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 6.0$

u_s	M_∞	θ_s	θ_w	
.95176963+00	.599999808+01	.87266460-01	.18790453+00	
θ	M^*_1	ψ_1	x	r
.87266460-01	.19035036+01	.87266460-01	.57150261+01	.50000000+00
.90757117-01	.19035254+01	.83908268-01	.58215760+01	.52980489+00
.94247773-01	.19035856+01	.80790382-01	.59343978+01	.56096570+00
.97738430-01	.19036778+01	.77880831-01	.60539901+01	.59359885+00
.10122909+00	.19037970+01	.75153043-01	.61809182+01	.62783470+00
.10471974+00	.19039394+01	.72584662-01	.63158254+01	.66381991+00
.10821040+00	.19041017+01	.70156663-01	.64594430+01	.70171977+00
.11126472+00	.19042581+01	.68134405-01	.66929089+01	.73660035+00
.11431905+00	.19044265+01	.66197474-01	.67343203+01	.77323243+00
.11737337+00	.19046059+01	.64337326-01	.68843982+01	.81177627+00
.12042770+00	.19047952+01	.62546282-01	.70439633+01	.85241306+00
.12348202+00	.19049940+01	.60817395-01	.72139515+01	.89534865+00
.12653635+00	.19052016+01	.59144327-01	.73954358+01	.94081806+00
.12915434+00	.19053862+01	.57750259-01	.75610774+01	.98201228+00
.13177233+00	.19055769+01	.56389464-01	.77369645+01	.10254600+01
.13439032+00	.19057735+01	.55058692-01	.79241160+01	.10713823+01
.13700832+00	.19059760+01	.53754827-01	.81236991+01	.11200312+01
.13962631+00	.19061844+01	.52474868-01	.83370593+01	.11716970+01
.14224430+00	.19063988+01	.51215887-01	.85657572+01	.12267148+01
.14442596+00	.19065822+01	.50180668-01	.87693584+01	.12754032+01
.14660762+00	.19067700+01	.49156334-01	.89860889+01	.13269498+01
.14878928+00	.19069624+01	.48141191-01	.92173532+01	.13816542+01
.15097094+00	.19071596+01	.47133507-01	.94647745+01	.14398618+01
.15315260+00	.19073619+01	.46131492-01	.97302443+01	.15019739+01
.15533426+00	.19075696+01	.45133276-01	.10015982+02	.15688460+01
.15707959+00	.19077398+01	.44336101-01	.10260912+02	.16251683+01
.15882492+00	.19079140+01	.43539001-01	.10522054+02	.16853596+01
.16057024+00	.19080925+01	.42740813-01	.10801228+02	.17494166+01
.16231554+00	.19082761+01	.41940302-01	.11100555+02	.18177846+01
.16406084+00	.19084644+01	.41136036-01	.11422535+02	.18909871+01
.16580614+00	.19086581+01	.40326471-01	.11770126+02	.19696418+01
.16711511+00	.19088071+01	.39714798-01	.12049726+02	.20326488+01
.16842408+00	.19089595+01	.39098367-01	.12347458+02	.20994989+01
.16973306+00	.19091157+01	.38476277-01	.12665358+02	.21706147+01
.17104203+00	.19092759+01	.37847558-01	.13005798+02	.22464882+01
.17235101+00	.19094405+01	.37211029-01	.13371575+02	.23276981+01
.17365998+00	.19096099+01	.36565401-01	.13766001+02	.24149286+01
.17453263+00	.19097258+01	.36129180-01	.14046799+02	.24768253+01
.17540528+00	.19098441+01	.35687769-01	.14343457+02	.25420420+01
.17627793+00	.19099652+01	.35240589-01	.14657547+02	.26109017+01

TABLE 43. (Concluded)

$$M_{\infty} = .59999806+01$$

$$\Theta_s = .87266460-01$$

Θ	M_1^*	ψ_1	x	r
.17715058+00	.19100892+01	.34787022-01	.14990870+02	.26837746+01
.17802323+00	.19102162+01	.34326358-01	.15345518+02	.27610888+01
.17887588+00	.19103467+01	.33857809-01	.15723916+02	.28433412+01
.17933220+00	.19104134+01	.33620294-01	.15922894+02	.28864974+01
.17976853+00	.19104809+01	.33380453-01	.16128917+02	.29311144+01
.18020485+00	.19105496+01	.33138152-01	.16342422+02	.29772816+01
.18064117+00	.19106192+01	.32893240-01	.16563891+02	.30250967+01
.18107750+00	.19106900+01	.32645563-01	.16793899+02	.30746669+01
.18151382+00	.19107620+01	.32394944-01	.17032871+02	.31261094+01
.18195015+00	.19108352+01	.32141205-01	.17281595+02	.31795536+01
.18238647+00	.19109097+01	.31884126-01	.17540723+02	.32351424+01
.18282280+00	.19109856+01	.31623499-01	.17811035+02	.32930342+01
.18325912+00	.19110629+01	.31359069-01	.18093399+02	.33534047+01
.18369545+00	.19111419+01	.31090572-01	.18388785+02	.34164511+01
.18413177+00	.19112224+01	.30817702-01	.18698280+02	.34823929+01
.18456810+00	.19113048+01	.30540131-01	.19023112+02	.35514789+01
.18500442+00	.19113891+01	.30257486-01	.19364671+02	.36239901+01
.18544075+00	.19114753+01	.29969350-01	.19724543+02	.37002465+01
.18587707+00	.19115639+01	.29675253-01	.20104536+02	.37806132+01
.18631339+00	.19116548+01	.29374661-01	.20506752+02	.38655137+01
.18674972+00	.19117483+01	.29066958-01	.20933617+02	.39554369+01
.18718604+00	.19118446+01	.28751444-01	.21387975+02	.40509545+01
.18762237+00	.19119441+01	.28427288-01	.21873194+02	.41527436+01
.18790453+00	.19120402+01	.28212618-01	.22205277+02	.42222832+01

$$.17092787-02 = \Delta S/R$$

$$.16539630+01 = P_s/P_{\infty}$$

$$.13514996+01 = \rho_s/\rho_{\infty}$$

$$.12237984+01 = T_s/T_{\infty}$$

TABLE 44. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 8.0$

u_s	M_∞	θ_s	θ_w	
.96947218+00	.799999403+01	.87266460-01	.15547041+00	
e	M_1^*	ψ_1	x	r
.87266460-01	.19389080+01	.87266460-01	.57150261+01	.50000000+00
.89011788-01	.19389137+01	.85554955-01	.57829432+01	.51611389+00
.90757117-01	.19389302+01	.83907338-01	.58533770+01	.53269900+00
.92502445-01	.19389565+01	.82318423-01	.59264598+01	.54978101+00
.94247773-01	.19389917+01	.80783548-01	.60023350+01	.56738766+00
.95993102-01	.19390351+01	.79298502-01	.60811577+01	.58554883+00
.97738430-01	.19390862+01	.77859463-01	.61630978+01	.60429675+00
.99483758-01	.19391443+01	.76462946-01	.62483388+01	.62366706+00
.10122909+00	.19392090+01	.75105754-01	.63370818+01	.64369721+00
.10297441+00	.19392798+01	.73784946-01	.64295460+01	.66443885+00
.10471974+00	.19393565+01	.72497803-01	.65259711+01	.68590710+00
.10646507+00	.19394387+01	.71241794-01	.66266202+01	.70818130+00
.10821040+00	.19395262+01	.70014555-01	.67317826+01	.73130551+00
.10995573+00	.19396186+01	.68813870-01	.68417766+01	.75533905+00
.11170106+00	.19397159+01	.67637644-01	.69569549+01	.78034740+00
.11344638+00	.19398178+01	.66483890-01	.70777074+01	.80640277+00
.11475538+00	.19398973+01	.653632175-01	.71721888+01	.82667921+00
.11606438+00	.19399793+01	.642791259-01	.72702496+01	.84762651+00
.11737337+00	.19400637+01	.632360389-01	.73721085+01	.86928479+00
.11868237+00	.19401507+01	.62138826-01	.74780037+01	.89169779+00
.11999137+00	.19402401+01	.61025846-01	.75881952+01	.91491306+00
.12130036+00	.19403319+01	.601520735-01	.77029674+01	.93898257+00
.12260936+00	.19404263+01	.60722781-01	.78226327+01	.96396326+00
.12391835+00	.19405231+01	.609931276-01	.79475343+01	.98991752+00
.12522735+00	.19406224+01	.609146512-01	.80780516+01	.10169143+01
.12653635+00	.19407243+01	.60364769-01	.82146032+01	.10450293+01
.12784534+00	.19408268+01	.60588322-01	.83576549+01	.10743448+01
.12915434+00	.19409359+01	.606815421-01	.85077239+01	.11049602+01
.13046334+00	.19410458+01	.606045301-01	.86653897+01	.11369736+01
.13177233+00	.19411586+01	.605277172-01	.88313016+01	.11705039+01
.13308133+00	.19412743+01	.604510202-01	.90061911+01	.12056321+01
.13395399+00	.19413531+01	.603999100-01	.91281765+01	.12301221+01
.13482666+00	.19414333+01	.603487854-01	.92547907+01	.12554087+01
.13569931+00	.19415152+01	.602976193-01	.93863300+01	.12815947+01
.13657196+00	.19415988+01	.602463813-01	.95231212+01	.13087383+01
.13744461+00	.19416839+01	.601950391-01	.96655233+01	.13369032+01
.13831726+00	.19417706+01	.601435594-01	.98139305+01	.13661594+01
.13918991+00	.19418590+01	.600919067-01	.99687768+01	.13965839+01
.14006256+00	.19419492+01	.600400427-01	.10130544+02	.14282616+01
.14093521+00	.19420413+01	.600879292-01	.10299767+02	.14612877+01

TABLE 44. (Concluded)

$$M_{\infty} = .79999403+01$$

$$\Theta_s = .87266460-01$$

Θ	M_1^*	ψ_1	x	r
.14180786+00	.19421354+01	.49355203-01	.10477042+02	.14957667+01
.14268051+00	.19422314+01	.48827702-01	.10663037+02	.15318164+01
.14355316+00	.19423297+01	.48296271-01	.10858503+02	.15695688+01
.14442581+00	.19424303+01	.47760343-01	.11064285+02	.16091723+01
.14529845+00	.19425333+01	.47219310-01	.11281345+02	.16507953+01
.14617110+00	.19426390+01	.46672473-01	.11510780+02	.16946298+01
.14660743+00	.19426928+01	.46396645-01	.11630525+02	.17174438+01
.14704375+00	.19427474+01	.46119075-01	.11753850+02	.17408955+01
.14748008+00	.19428023+01	.45839654-01	.11880942+02	.17650174+01
.14791640+00	.19428589+01	.45558259-01	.12012003+02	.17898449+01
.14835273+00	.19429159+01	.45274768-01	.12147255+02	.18154162+01
.14878905+00	.19429737+01	.44989048-01	.12286932+02	.18417723+01
.14922538+00	.19430324+01	.44700949-01	.12431293+02	.18689577+01
.14966170+00	.19430920+01	.44410329-01	.12580615+02	.18970210+01
.15009803+00	.19431527+01	.44117019-01	.12735204+02	.19260148+01
.15053435+00	.19432143+01	.43820834-01	.12895392+02	.19559965+01
.15097068+00	.19432770+01	.43521587-01	.13061543+02	.19870291+01
.15140700+00	.19433408+01	.43219067-01	.13234056+02	.20191817+01
.15184332+00	.19434058+01	.42913046-01	.13413370+02	.20525297+01
.15227965+00	.19434721+01	.42603279-01	.13599975+02	.20871574+01
.15271597+00	.19435396+01	.42289494-01	.13794408+02	.21231577+01
.15315230+00	.19436086+01	.41971389-01	.13997271+02	.21606336+01
.15358862+00	.19436790+01	.41648634-01	.14209231+02	.21997000+01
.15402495+00	.19437511+01	.41320872-01	.14431045+02	.22404865+01
.15446127+00	.19438248+01	.40987691-01	.14663560+02	.22831383+01
.15489760+00	.19439004+01	.40648634-01	.14907736+02	.23278196+01
.15533392+00	.19439779+01	.40303197-01	.15164671+02	.23747181+01
.15547041+00	.19440026+01	.40193737-01	.15247864+02	.23898760+01

$$.10589957-01 = \Delta S/R$$

$$.20674051+01 = P_s/P_{\infty}$$

$$.15396140+01 = \rho_s/\rho_{\infty}$$

$$.13428075+01 = T_s/T_{\infty}$$

TABLE 45. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 10.0$

u_s	M_∞	θ_s	θ_w	
.97820093+00	.99999988+01	.87266460-01	.13825079+00	
θ	M_1^*	ψ_1	x	r
.87266460-01	.19563652+01	.87266460-01	.57150261+01	.50000000+00
.88139124-01	.19563666+01	.86402357-01	.57554041+01	.50859395+00
.69011788-01	.19563710+01	.85554821-01	.57966633+01	.51733839+00
.89884453-01	.19563780+01	.84723059-01	.58388316+01	.52623813+00
.90757117-01	.19563876+01	.83906322-01	.58819383+01	.53529828+00
.91629781-01	.19563997+01	.83103902-01	.59260144+01	.54452419+00
.92502445-01	.19564141+01	.82315133-01	.59710921+01	.55392142+00
.93375109-01	.19564309+01	.81539381-01	.60172057+01	.56349587+00
.94247773-01	.19564498+01	.80776046-01	.60643910+01	.57325367+00
.95120437-01	.19564708+01	.80024556-01	.61126857+01	.58320130+00
.95993102-01	.19564938+01	.79284368-01	.61621296+01	.59334554+00
.96865766-01	.19565188+01	.78554962-01	.62127646+01	.60369352+00
.97738430-01	.19565457+01	.77835840-01	.62646348+01	.61425275+00
.98611094-01	.19565745+01	.77126529-01	.63177870+01	.62503115+00
.99483758-01	.19566050+01	.76426569-01	.63722703+01	.63603707+00
.10035642+00	.19566372+01	.75735524-01	.64281366+01	.64727925+00
.10122909+00	.19566712+01	.75052969-01	.64854413+01	.65876701+00
.10210175+00	.19567068+01	.74378496-01	.65442426+01	.67051020+00
.10297441+00	.19567440+01	.73711708-01	.66044022+01	.68251915+00
.10384708+00	.19567827+01	.73052223-01	.66665857+01	.69480488+00
.10471974+00	.19568231+01	.72399667-01	.67302627+01	.70737901+00
.10559241+00	.19568649+01	.71753679-01	.67957073+01	.72025395+00
.10646507+00	.19569082+01	.71113902-01	.68629984+01	.73344284+00
.10733774+00	.19569531+01	.70479990-01	.69322197+01	.74695963+00
.10821040+00	.19569993+01	.69851602-01	.70034613+01	.76081926+00
.10908306+00	.19570471+01	.69228403-01	.70768185+01	.77503756+00
.10995573+00	.19570962+01	.68610062-01	.71523936+01	.78963151+00
.11082839+00	.19571469+01	.67996251-01	.72302969+01	.80461922+00
.11170106+00	.19571989+01	.67386646-01	.73106453+01	.82002012+00
.11257372+00	.19572523+01	.667800921-01	.73935651+01	.83585498+00
.11344638+00	.19573072+01	.66178755-01	.74791926+01	.85214622+00
.11431905+00	.19573636+01	.65579819-01	.75676738+01	.86891781+00
.11519171+00	.19574213+01	.64983790-01	.76591671+01	.88619572+00
.11606438+00	.19574806+01	.64390336-01	.77538434+01	.90400791+00
.11693704+00	.19575413+01	.63799122-01	.78518860+01	.92238468+00
.11780971+00	.19576035+01	.63209808-01	.79535020+01	.94135883+00
.11868237+00	.19576673+01	.62622041-01	.80589046+01	.96096602+00
.11955503+00	.19577326+01	.62035465-01	.81683344+01	.98124504+00
.12042770+00	.19577995+01	.61449707-01	.82820525+01	.10022383+01
.12130036+00	.19578680+01	.60864386-01	.84003450+01	.10239921+01

TABLE 45. (Concluded)

$$M_{\infty} = .99999988+01$$

$$\Theta_s = .87266460-01$$

Θ	M_1^*	ψ_1	x	r
.12217303+00	.19579382+01	.60279100-01	.65235260+01	.10465572+01
.12304568+00	.19580103+01	.59693432-01	.86519414+01	.10699894+01
.12391833+00	.19580843+01	.59106946-01	.87859765+01	.10943507+01
.12479098+00	.19581603+01	.58519170-01	.89260536+01	.11197093+01
.12566363+00	.19582381+01	.57929596-01	.90726498+01	.11461415+01
.12653628+00	.19583180+01	.57337688-01	.92262925+01	.11737318+01
.12740893+00	.19583999+01	.56742884-01	.93875746+01	.12025750+01
.12828158+00	.19584841+01	.56144550-01	.95571637+01	.12327777+01
.12915423+00	.19585706+01	.55542009-01	.97358174+01	.12644605+01
.12959055+00	.19586148+01	.55238931-01	.98288076+01	.12808990+01
.13002688+00	.19586596+01	.54934513-01	.99243957+01	.12977601+01
.13046320+00	.19587051+01	.54628653-01	.10022709+02	.13150642+01
.13089953+00	.19587513+01	.54321237-01	.10123883+02	.13328327+01
.13133585+00	.19587982+01	.54012150-01	.10228066+02	.13510890+01
.13177218+00	.19588457+01	.53701261-01	.10335415+02	.13698580+01
.13220850+00	.19588941+01	.53388441-01	.10446100+02	.13891664+01
.13264482+00	.19589432+01	.53073544-01	.10560306+02	.14090435+01
.13308115+00	.19589932+01	.52756425-01	.10678231+02	.14295205+01
.13351747+00	.19590440+01	.52436918-01	.10800092+02	.14506312+01
.13395380+00	.19590957+01	.52114848-01	.10926123+02	.14724131+01
.13439012+00	.19591483+01	.51790034-01	.11056582+02	.14949059+01
.13482645+00	.19592019+01	.51462272-01	.11191748+02	.15181538+01
.13526277+00	.19592565+01	.51131342-01	.11331928+02	.15422049+01
.13569910+00	.19593122+01	.50797010-01	.11477460+02	.15671110+01
.13613542+00	.19593690+01	.50459016-01	.11628716+02	.15929328+01
.13657175+00	.19594270+01	.50117088-01	.11786106+02	.16197319+01
.13700807+00	.19594863+01	.49770914-01	.11950088+02	.16475805+01
.13744440+00	.19595468+01	.49420154-01	.12121172+02	.16765578+01
.13788072+00	.19596088+01	.49064433-01	.12299926+02	.17067521+01
.13825079+00	.19596626+01	.48758538-01	.12458023+02	.17333891+01

$$.33311844-01 = \Delta S/R$$

$$.25800821+01 = P_s/P_{\infty}$$

$$.17425617+01 = \rho_s/\rho_{\infty}$$

$$.14806261+01 = T_s/T_{\infty}$$

TABLE 46. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 12.5$

u_s	M_∞	θ_s	θ_w	
.98403282+00	.12500000+02	.87266460-01	.12604876+00	
θ	M_1^*	ψ_1	x	r
.87266460-01	.19680287+01	.87266460-01	.57150261+01	.50000000+00
.88139124-01	.19680302+01	.86402335-01	.57626829+01	.50923716+00
.89011788-01	.19680346+01	.85554652-01	.58115665+01	.51866846+00
.89884453-01	.19680416+01	.84722498-01	.58617240+01	.52830135+00
.90757117-01	.19680513+01	.83905021-01	.59132059+01	.53814386+00
.91629781-01	.19680635+01	.83101412-01	.59660660+01	.54820441+00
.92502445-01	.19680781+01	.82310912-01	.60203609+01	.55849195+00
.93375109-01	.19680949+01	.81532801-01	.60761512+01	.56901596+00
.94247773-01	.19681140+01	.80766392-01	.61335006+01	.57978646+00
.95120437-01	.19681353+01	.80011036-01	.61924782+01	.59081417+00
.95993102-01	.19681587+01	.79266110-01	.62531563+01	.60211041+00
.96865766-01	.19681840+01	.78531015-01	.63156132+01	.61368730+00
.97738430-01	.19682114+01	.77805180-01	.63799316+01	.62555769+00
.98611094-01	.19682407+01	.77088053-01	.64462002+01	.63773532+00
.99483758-01	.19682718+01	.76379097-01	.65145144+01	.65023491+00
.10035642+00	.19683048+01	.75677795-01	.65849766+01	.66307219+00
.10122909+00	.19683396+01	.74983643-01	.66576960+01	.67626401+00
.10210175+00	.19683762+01	.74296145-01	.67327909+01	.68982849+00
.10297441+00	.19684146+01	.73614817-01	.68103884+01	.70378508+00
.10384708+00	.19684547+01	.72939184-01	.68906254+01	.71815474+00
.10471974+00	.19684965+01	.72268774-01	.69736505+01	.73296010+00
.10559241+00	.19685401+01	.71603116-01	.70596241+01	.74822560+00
.10646507+00	.19685854+01	.70941744-01	.71487213+01	.76397780+00
.10733774+00	.19686324+01	.70284190-01	.72411315+01	.78024546+00
.10821040+00	.19686811+01	.69629981-01	.73370622+01	.79705991+00
.10864673+00	.19687061+01	.69303980-01	.73864172+01	.80568269+00
.10908306+00	.19687316+01	.68978638-01	.74367390+01	.81445526+00
.10951940+00	.19687575+01	.68653890-01	.74880588+01	.82338231+00
.10995573+00	.19687838+01	.68329674-01	.75404102+01	.83246890+00
.11039206+00	.19688106+01	.68005931-01	.75938277+01	.84172022+00
.11082839+00	.19688379+01	.67682593-01	.76483476+01	.85114174+00
.11126472+00	.19688656+01	.67359598-01	.77040089+01	.86073928+00
.11170106+00	.19688938+01	.67036878-01	.77608519+01	.87061887+00
.11213739+00	.19689224+01	.66714368-01	.78189188+01	.88048686+00
.11257372+00	.19689515+01	.66391999-01	.78782540+01	.89064989+00
.11301005+00	.19689811+01	.66069700-01	.79389051+01	.90101504+00
.11344638+00	.19690111+01	.65747400-01	.80009215+01	.91158970+00
.11388272+00	.19690417+01	.65425025-01	.80643557+01	.92238171+00
.11431904+00	.19690729+01	.65102502-01	.81292623+01	.93339916+00
.11475537+00	.19691046+01	.64779749-01	.81957012+01	.94465096+00

TABLE 46. (Concluded)

$$M_{\infty} = .12500000+02$$

$$\Theta_s = .87266460-01$$

θ	M_1^*	ψ_1	x	r
.11519169+00	.19691369+01	.64456688-01	.82637347+01	.95614637+00
.11562802+00	.19691696+01	.64133233-01	.83334281+01	.96789512+00
.11606434+00	.19692029+01	.63809301-01	.84048517+01	.97990759+00
.11650066+00	.19692368+01	.63484802-01	.84780793+01	.99219473+00
.11693699+00	.19692712+01	.63159641-01	.85531907+01	.10047683+01
.11737331+00	.19693062+01	.62833721-01	.86302688+01	.10176407+01
.11780964+00	.19693417+01	.62506947-01	.87094039+01	.10308251+01
.11824596+00	.19693779+01	.62179209-01	.87906911+01	.10443356+01
.11868229+00	.19694147+01	.61850399-01	.88742338+01	.10581874+01
.11911861+00	.19694521+01	.61520400-01	.89601408+01	.10723965+01
.11955494+00	.19694902+01	.61189091-01	.90485300+01	.10869802+01
.11999126+00	.19695289+01	.60856346-01	.91395273+01	.11019571+01
.12042759+00	.19695683+01	.60522026-01	.92332691+01	.11173471+01
.12086391+00	.19696084+01	.60185991-01	.93299017+01	.11331716+01
.12130024+00	.19696493+01	.59848086-01	.94295834+01	.11494538+01
.12173656+00	.19696909+01	.59508153-01	.95324856+01	.11662187+01
.12217288+00	.19697334+01	.59166020-01	.96387947+01	.11834936+01
.12260921+00	.19697766+01	.58821501-01	.97487119+01	.12013076+01
.12304553+00	.19698208+01	.58474401-01	.98624581+01	.12196931+01
.12348186+00	.19698658+01	.58124500-01	.99802744+01	.12386850+01
.12391818+00	.19699117+01	.57771577-01	.10102423+02	.12583213+01
.12435451+00	.19699587+01	.57415376-01	.10229195+02	.12786442+01
.12479083+00	.19700067+01	.57055632-01	.10360909+02	.12997000+01
.12522716+00	.19700558+01	.56692049-01	.10497917+02	.13215395+01
.12566348+00	.19701059+01	.56324303-01	.10640613+02	.13442195+01
.12604876+00	.19701513+01	.55995835-01	.10771690+02	.13649950+01

$$.86238235-01 = \Delta S/R$$

$$.33645023+01 = P_s/P_{\infty}$$

$$.20006200+01 = \rho_s/\rho_{\infty}$$

$$.16817298+01 = T_s/T_{\infty}$$

TABLE 47. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 15.0$

\underline{u}_s	\underline{M}_∞	$\underline{\Theta}_s$	$\underline{\Theta}_w$	
.98730528+00	.15000015+02	.87266460-01	.11887137+00	
$\underline{\Theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.87266460-01	.19745735+01	.87266460-01	.57150261+01	.50000000+00
.88139124-01	.19745750+01	.86402314-01	.57688094+01	.50977855+00
.89011788-01	.19745794+01	.85554488-01	.58241556+01	.51979200+00
.89884453-01	.19745865+01	.84721957-01	.58811343+01	.53005075+00
.90757117-01	.19745962+01	.83903764-01	.59398201+01	.54056594+00
.91629781-01	.19746084+01	.83099005-01	.60002934+01	.55134948+00
.92502445-01	.19746231+01	.82306826-01	.60626398+01	.56241405+00
.93375109-01	.19746401+01	.81526420-01	.61269516+01	.57377329+00
.94247773-01	.19746594+01	.80757015-01	.61933275+01	.58544176+00
.95120437-01	.19746808+01	.79997877-01	.62618743+01	.59743513+00
.95993102-01	.19747044+01	.79248297-01	.63327060+01	.60977017+00
.96865766-01	.19747301+01	.78507595-01	.64059466+01	.62246498+00
.97738430-01	.19747579+01	.77775110-01	.64817294+01	.63553905+00
.98174762-01	.19747725+01	.77411749-01	.65206190+01	.64222484+00
.98611094-01	.19747876+01	.77050203-01	.65601997+01	.64901352+00
.99047426-01	.19748032+01	.76690393-01	.66004910+01	.65590794+00
.99483758-01	.19748193+01	.76332242-01	.66415144+01	.66291120+00
.99920090-01	.19748359+01	.75975675-01	.66832912+01	.67002638+00
.10035642+00	.19748530+01	.75620615-01	.67258444+01	.67725684+00
.10079275+00	.19748705+01	.75266985-01	.67691978+01	.68460599+00
.10122909+00	.19748886+01	.74914712-01	.68133762+01	.69207743+00
.10166542+00	.19749071+01	.74563716-01	.68584054+01	.69967489+00
.10210175+00	.19749261+01	.74213925-01	.69043126+01	.70740227+00
.10253808+00	.19749456+01	.73865263-01	.69511265+01	.71526370+00
.10297441+00	.19749656+01	.73517654-01	.69988765+01	.72326343+00
.10341075+00	.19749860+01	.73171021-01	.70475941+01	.73140597+00
.10384708+00	.19750069+01	.72825289-01	.70973121+01	.73969604+00
.10428341+00	.19750284+01	.72480381-01	.71480649+01	.74813855+00
.10471974+00	.19750503+01	.72136218-01	.71998888+01	.75673870+00
.10515608+00	.19750727+01	.71792722-01	.72528216+01	.76550191+00
.10559241+00	.19750955+01	.71449813-01	.73069038+01	.77443393+00
.10602874+00	.19751187+01	.71107412-01	.73621771+01	.78354076+00
.10646507+00	.19751428+01	.70765437-01	.74186863+01	.79282874+00
.10690140+00	.19751671+01	.70423801-01	.74764780+01	.80230452+00
.10733774+00	.19751920+01	.70082423-01	.75356020+01	.81197520+00
.10777407+00	.19752174+01	.69741214-01	.75961103+01	.82184814+00
.10821040+00	.19752433+01	.69400085-01	.76580589+01	.83193130+00
.10864673+00	.19752698+01	.69058946-01	.77215059+01	.84223291+00
.10908306+00	.19752967+01	.68717702-01	.77865144+01	.85276189+00
.10951939+00	.19753245+01	.68376260-01	.78531485+01	.86352729+00

TABLE 47. (Concluded)

$$M_{\infty} = .15000015+02$$

$$\Theta_s = .87266460-01$$

Θ	M_1^*	ψ_1	x	r
.10995571+00	.19753527+01	.68034514-01	.79214808+01	.87453937+00
.11039204+00	.19753815+01	.67692363-01	.79915858+01	.88580862+00
.11082836+00	.19754108+01	.67349701-01	.80635427+01	.89734624+00
.11126469+00	.19754408+01	.67006414-01	.81374376+01	.90916429+00
.11170101+00	.19754713+01	.66662389-01	.82133602+01	.92127543+00
.11213734+00	.19755025+01	.66317504-01	.82914088+01	.93369342+00
.11257366+00	.19755343+01	.65971632-01	.83716869+01	.94643280+00
.11300999+00	.19755667+01	.65624641-01	.84543073+01	.95950932+00
.11344631+00	.19755998+01	.65276391-01	.85393897+01	.97293976+00
.11388263+00	.19756335+01	.64926738-01	.86270635+01	.98674217+00
.11431896+00	.19756680+01	.64575524-01	.87174692+01	.10009362+01
.11475528+00	.19757032+01	.64222582-01	.88107578+01	.10155427+01
.11519161+00	.19757391+01	.63867742-01	.89070929+01	.10305847+01
.11562793+00	.19757758+01	.63510817-01	.90066524+01	.10460867+01
.11606426+00	.19758133+01	.63151608-01	.91096307+01	.10620758+01
.11650058+00	.19758516+01	.62789901-01	.92162384+01	.10785812+01
.11693691+00	.19758908+01	.62425471-01	.93267064+01	.10956347+01
.11737323+00	.19759309+01	.62058067-01	.94412887+01	.11132716+01
.11780956+00	.19759719+01	.61687423-01	.95602641+01	.11315302+01
.11824588+00	.19760140+01	.61313247-01	.96839408+01	.11504530+01
.11868221+00	.19760570+01	.60935227-01	.98126594+01	.11700869+01
.11887137+00	.19760760+01	.60770061-01	.98701258+01	.11788330+01

$$.16605660+00 = \Delta S/R$$

$$.43119101+01 = P_s/P_{\infty}$$

$$.22487768+01 = \rho_s/\rho_{\infty}$$

$$.19174469+01 = T_s/T_{\infty}$$

TABLE 48. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 17.5$

u_s	M_∞	θ_s	θ_w	
.98932249+00	.17499994+02	.87266460-01	.11430023+00	
θ	M_1	ψ_1	x	r
.87266460-01	.19786079+01	.87266460-01	.57150261+01	.50000000+00
.87702792-01	.19786083+01	.86832278-01	.57442442+01	.50508190+00
.88139124-01	.19786094+01	.86402295-01	.57739202+01	.51023018+00
.88575456-01	.19786112+01	.85976362-01	.58040648+01	.51544637+00
.89011788-01	.19786137+01	.85554337-01	.58346894+01	.52073213+00
.89448120-01	.19786170+01	.85136080-01	.58658060+01	.52608912+00
.89884453-01	.19786208+01	.84721458-01	.58974289+01	.53151916+00
.90320785-01	.19786254+01	.84310342-01	.59295648+01	.53702405+00
.90757117-01	.19786306+01	.83902604-01	.59622331+01	.54260568+00
.91193449-01	.19786364+01	.83498123-01	.59954456+01	.54826603+00
.91629781-01	.19786429+01	.83096779-01	.60292167+01	.55400715+00
.92066113-01	.19786499+01	.82698457-01	.60635613+01	.55983114+00
.92502445-01	.19786576+01	.82303044-01	.60984949+01	.56574023+00
.92938777-01	.19786659+01	.81910429-01	.61340336+01	.57173666+00
.93375109-01	.19786747+01	.81520504-01	.61701944+01	.57782287+00
.93811441-01	.19786841+01	.81133164-01	.62069945+01	.58400128+00
.94247773-01	.19786941+01	.80748306-01	.62444525+01	.59027450+00
.94684105-01	.19787046+01	.80365827-01	.62825870+01	.59664517+00
.95120437-01	.19787157+01	.79985630-01	.63214183+01	.60311613+00
.95556770-01	.19787274+01	.79607613-01	.63609667+01	.60969026+00
.95993102-01	.19787395+01	.79231683-01	.64012539+01	.61637058+00
.96429434-01	.19787522+01	.78857741-01	.64423026+01	.62314029+00
.96865766-01	.19787655+01	.78485696-01	.64841362+01	.63006266+00
.97302098-01	.19787793+01	.78115451-01	.65267793+01	.63708113+00
.97738430-01	.19787935+01	.77746917-01	.65702576+01	.64421934+00
.98174762-01	.19788084+01	.77380000-01	.66145989+01	.65148105+00
.98611094-01	.19788237+01	.77014608-01	.66598307+01	.65887021+00
.99047426-01	.19788395+01	.76650651-01	.67059832+01	.66639097+00
.99483758-01	.19788559+01	.76288038-01	.67530870+01	.67404763+00
.99920090-01	.19788728+01	.75926677-01	.68011752+01	.68184473+00
.10035642+00	.19788902+01	.75566479-01	.68502820+01	.68978705+00
.10079275+00	.19789081+01	.75207349-01	.69004434+01	.69787958+00
.10122909+00	.19789265+01	.74849198-01	.69516981+01	.70612765+00
.10166542+00	.19789455+01	.74491932-01	.70040857+01	.71453678+00
.10210175+00	.19789649+01	.74135459-01	.70576485+01	.72311276+00
.10253808+00	.19789849+01	.73779683-01	.71124311+01	.73186178+00
.10297441+00	.19790054+01	.73424508-01	.71684804+01	.74079029+00
.10341075+00	.19790264+01	.73069837-01	.72258468+01	.74990521+00
.10384708+00	.19790480+01	.72715572-01	.72845827+01	.75921375+00
.10428341+00	.19790701+01	.72361612-01	.73447435+01	.76872354+00

TABLE 48. (Concluded)

$$M_{\infty} = .17499994+02$$

$$\Theta_s = .87266460-01$$

Θ	M_1	ψ_1	x	r
.10471974+00	.19790927+01	.72007852-01	.74063892+01	.77844276+00
.10515608+00	.19791159+01	.71654188-01	.74695816+01	.78837992+00
.10559241+00	.19791397+01	.71300511-01	.75343883+01	.79854424+00
.10602874+00	.19791640+01	.70946708-01	.76008802+01	.80894542+00
.10646506+00	.19791890+01	.70592667-01	.76691322+01	.81959361+00
.10690139+00	.19792147+01	.70238265-01	.77392269+01	.83050012+00
.10733771+00	.19792409+01	.69883380-01	.78112504+01	.84167664+00
.10777404+00	.19792677+01	.69527883-01	.78852958+01	.85313584+00
.10821036+00	.19792952+01	.69171639-01	.79614614+01	.86489105+00
.10864669+00	.19793233+01	.68814510-01	.80398538+01	.87695674+00
.10908301+00	.19793520+01	.68456350-01	.81205888+01	.88934854+00
.10951934+00	.19793814+01	.68097004-01	.82037886+01	.90208303+00
.10995566+00	.19794114+01	.67736309-01	.82895867+01	.91517818+00
.11039199+00	.19794422+01	.67374094-01	.83781266+01	.92865339+00
.11082831+00	.19794736+01	.67010180-01	.84695652+01	.94252975+00
.11126463+00	.19795059+01	.66644371-01	.85640703+01	.95682986+00
.11170096+00	.19795389+01	.66276466-01	.86618282+01	.97157869+00
.11213728+00	.19795727+01	.65906243-01	.87630395+01	.98680317+00
.11257361+00	.19796073+01	.65533466-01	.88679243+01	.10025328+01
.11300993+00	.19796428+01	.65157882-01	.89767246+01	.10187998+01
.11344626+00	.19796792+01	.64779217-01	.90897050+01	.10356397+01
.11388258+00	.19797165+01	.64397174+01	.92071604+01	.10530917+01
.11430023+00	.19797532+01	.64028020-01	.93240799+01	.10704100+01

$$.26843661+00 = \Delta S/R$$

$$.54244491+01 = P_s/P_{\infty}$$

$$.24772564+01 = \rho_s/\rho_{\infty}$$

$$.21897074+01 = T_s/T_{\infty}$$

TABLE 49. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 20.0$

u_s	M_∞	θ_s	θ_w	
.99065224+00	.19999969+02	.87266460-01	.11121585+00	
e	M_1^*	ψ_1	x	r
.87266460-01	.19812673+01	.87266460-01	.57150261+01	.50000000+00
.87702792-01	.19812677+01	.86832277-01	.57463317+01	.50526544+00
.88139124-01	.19812688+01	.86402277-01	.57781628+01	.51060509+00
.88575456-01	.19812707+01	.85976304-01	.58105328+01	.51602079+00
.89011788-01	.19812732+01	.85554201-01	.58434559+01	.52151451+00
.89448120-01	.19812764+01	.85135818-01	.58769470+01	.52708834+00
.89884453-01	.19812803+01	.84721011-01	.59110217+01	.53274442+00
.90320785-01	.19812849+01	.84309638-01	.59456961+01	.53848501+00
.90757117-01	.19812901+01	.83901564-01	.59809868+01	.54431240+00
.91193449-01	.19812959+01	.83496654-01	.60169114+01	.55022901+00
.91629781-01	.19813024+01	.83094781-01	.60534881+01	.55623738+00
.92066113-01	.19813095+01	.82695819-01	.60907357+01	.56234007+00
.92502445-01	.19813172+01	.82299644-01	.61286744+01	.56853990+00
.92938777-01	.19813255+01	.81905137-01	.61673247+01	.57483964+00
.93375109-01	.19813343+01	.81519180-01	.62067083+01	.58124231+00
.93811441-01	.19813438+01	.81126656-01	.62468478+01	.58775098+00
.94247773-01	.19813538+01	.80740455-01	.62877671+01	.59436893+00
.94684105-01	.19813644+01	.80356462-01	.63294905+01	.60109951+00
.95120437-01	.19813756+01	.79974568-01	.63720443+01	.60794628+00
.95556770-01	.19813873+01	.79594666-01	.64154553+01	.61491292+00
.95993102-01	.19813996+01	.79216646-01	.64597524+01	.62200335+00
.96429434-01	.19814124+01	.78840403-01	.65049655+01	.62922163+00
.96865766-01	.19814257+01	.78465831-01	.65511256+01	.63657202+00
.97302098-01	.19814396+01	.78092824-01	.65982658+01	.64405895+00
.97738430-01	.19814541+01	.77721278-01	.66464209+01	.65168719+00
.98174762-01	.19814691+01	.77351088-01	.66956273+01	.65946165+00
.98611094-01	.19814846+01	.76982149-01	.67459238+01	.66738757+00
.99047426-01	.19815007+01	.76614356-01	.67973506+01	.67547039+00
.99483758-01	.19815173+01	.76247603-01	.68499509+01	.68371592+00
.99920090-01	.19815344+01	.75881783-01	.69037691+01	.69213016+00
.10035642+00	.19815521+01	.75516791-01	.69588536+01	.70071962+00
.10079275+00	.19815704+01	.75152515-01	.70152547+01	.70949107+00
.10122909+00	.19815891+01	.74788847-01	.70730267+01	.71840176+00
.10166542+00	.19816085+01	.74425675-01	.71322255+01	.72746092+00
.10210175+00	.19816283+01	.74062884-01	.71929116+01	.73697155+00
.10253808+00	.19816488+01	.73700357-01	.72551495+01	.74654736+00
.10297441+00	.19816698+01	.73337977-01	.73190067+01	.75634566+00
.10341075+00	.19816914+01	.72975618-01	.73845565+01	.76637626+00
.10384708+00	.19817135+01	.72613156-01	.74518762+01	.77664942+00
.10428340+00	.19817365+01	.72250461-01	.75210477+01	.78717603+00

TABLE 49. (Concluded)

$$M_{\infty} = .19999967+02$$

$$\Theta_s = .87266460-01$$

Θ	M_1^*	ψ_1	x	r
.10471973+00	.19817600+01	.71867395-01	.75921614+01	.79796810+00
.10515605+00	.19817842+01	.71523825-01	.76653123+01	.80903822+00
.10559238+00	.19818089+01	.71159597-01	.77406028+01	.82039999+00
.10602870+00	.19818343+01	.70794562-01	.78181422+01	.83206785+00
.10646503+00	.19818603+01	.70428563-01	.78980490+01	.84405746+00
.10690135+00	.19818870+01	.70061434-01	.79804508+01	.85638568+00
.10733768+00	.19819144+01	.69692996-01	.80654851+01	.86907061+00
.10777400+00	.19819425+01	.69323066-01	.81533018+01	.88213198+00
.10821033+00	.19819714+01	.68951445-01	.82440628+01	.89559106+00
.10864665+00	.19820009+01	.68577926-01	.83379455+01	.90947114+00
.10908297+00	.19820312+01	.68202286-01	.84351417+01	.92379735+00
.10951930+00	.19820624+01	.67824285-01	.85358623+01	.93859731+00
.10995562+00	.19820943+01	.67443669-01	.86403390+01	.95390125+00
.11039195+00	.19821272+01	.67060159-01	.87488260+01	.96974234+00
.11082827+00	.19821609+01	.66673458-01	.88616041+01	.98615719+00
.11121585+00	.19821917+01	.66327023-01	.89656316+01	.10012519+01

$$.38779309+00 = \Delta S/R$$

$$.67037899+01 = P_s/P_{\infty}$$

$$.26817220+01 = \rho_s/\rho_{\infty}$$

$$.24998080+01 = T_s/T_{\infty}$$

TABLE 50. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 22.5$

$\frac{u}{s}$	$\frac{M_\infty}{s}$	$\frac{\theta_s}{s}$	$\frac{\theta_w}{s}$	
.99157444+00	.22499973+02	.87266460-01	.10904035+00	
θ	M_1^*	ψ_1	x	r
.87266460-01	.19831117+01	.87266460-01	.57150261+01	.50000000+00
.87704792-01	.19831121+01	.86832274-01	.57480608+01	.50541748+00
.88139124-01	.19831132+01	.86402263-01	.57816807+01	.51091596+00
.88575456-01	.19831150+01	.85976254-01	.58159015+01	.51649757+00
.89011788-01	.19831176+01	.85554083-01	.58507402+01	.52216461+00
.89448120-01	.19831208+01	.85135589-01	.58862146+01	.52791952+00
.89884453-01	.19831247+01	.84720618-01	.59223433+01	.53376481+00
.90320785-01	.19831293+01	.84309019-01	.59591452+01	.53970306+00
.90757117-01	.19831345+01	.83900647-01	.59966406+01	.54573701+00
.91193449-01	.19831404+01	.83495361-01	.60348505+01	.55186950+00
.91629781-01	.19831468+01	.83093021-01	.60737969+01	.55810349+00
.92066113-01	.19831539+01	.82693493-01	.61135027+01	.56444208+00
.92502445-01	.19831616+01	.82296646-01	.61539921+01	.57088854+00
.92938777-01	.19831700+01	.81902350-01	.61952900+01	.57744621+00
.93375109-01	.19831769+01	.81510478-01	.62374232+01	.58411867+00
.93811441-01	.19831844+01	.81120906-01	.62804191+01	.59090962+00
.94247773-01	.19831925+01	.80733512-01	.63243067+01	.59782294+00
.94684105-01	.19832019+01	.80346173-01	.63691168+01	.60486273+00
.95120437-01	.19832203+01	.79964771-01	.64148813+01	.61203329+00
.95556770-01	.19832321+01	.79583187-01	.64616339+01	.61933908+00
.95993102-01	.19832445+01	.79203302-01	.65094101+01	.62678485+00
.96429434-01	.19832574+01	.78825001-01	.65582473+01	.63437555+00
.96865766-01	.19832709+01	.78448165-01	.66081850+01	.64211646+00
.97302098-01	.19832849+01	.78072678-01	.66592645+01	.65001306+00
.97738430-01	.19832994+01	.77698424-01	.67115299+01	.65807119+00
.98174762-01	.19833146+01	.77325284-01	.67650277+01	.66629699+00
.98611094-01	.19833303+01	.76953141-01	.68198073+01	.67469701+00
.99047426-01	.19833465+01	.76581874-01	.68759204+01	.68327808+00
.99483758-01	.19833633+01	.76211363-01	.69334227+01	.69204751+00
.99920090-01	.19833807+01	.75841486-01	.69923723+01	.70101299+00
.10035642+00	.19833987+01	.75472120-01	.70528319+01	.71018275+00
.10072725+00	.19834172+01	.75103136-01	.71148677+01	.71956547+00
.10122949+00	.19834363+01	.74734404-01	.71785509+01	.72917052+00
.10166542+00	.19834560+01	.74366574-01	.72434561+01	.73900767+00
.10210175+00	.19834762+01	.73997163-01	.73111636+01	.74908742+00
.10253808+00	.19834971+01	.73628378-01	.73802606+01	.75942116+00
.10297441+00	.19835188+01	.73259268-01	.74513382+01	.77002074+00
.10341073+00	.19835410+01	.72897742-01	.75244972+01	.78089932+00
.10384706+00	.19835639+01	.72549585-01	.75996440+01	.79207074+00
.10428338+00	.19835875+01	.72214865-01	.76774942+01	.80355002+00
.10471971+00	.19836116+01	.71776775-01	.77575709+01	.81535315+00
.10515603+00	.19836365+01	.71403774-01	.78402086+01	.82749754+00
.10559236+00	.19836621+01	.71029454-01	.79255527+01	.84000020+00
.10602868+00	.19836884+01	.70653616-01	.80137607+01	.85288692+00
.10646500+00	.19837154+01	.70276049-01	.81050047+01	.86617446+00
.10690133+00	.19837431+01	.69896528-01	.81994714+01	.87988868+00
.10733765+00	.19837716+01	.69514809-01	.82973663+01	.89405604+00
.10777398+00	.19838010+01	.69130634-01	.83989128+01	.90870523+00
.10821030+00	.19838311+01	.68743725-01	.85043590+01	.92386806+00
.10864663+00	.19838622+01	.68353779-01	.86139783+01	.93957955+00
.10908305+00	.19838940+01	.67959902-01	.87267257+01	.95485900+00

$$.5186240+00 = AS/R$$

$$.81506431+01 = P_1/P_\infty$$

$$.28613141+01 = \rho_1/\rho_\infty$$

$$.38485628+01 = T_1/T_\infty$$

TABLE 51. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 25.0$

$\frac{u_s}{u_\infty}$	$\frac{M_\infty}{M^*}$	$\frac{\theta_s}{\theta_\infty}$	$\frac{\theta_w}{\theta_\infty}$	
.99223962+00	.24999933+02	.87266460-01	.10745092+00	
θ	M^*_1	ψ_1	x	r
.87266460-01	.19844420+01	.87266460-01	.57150261+01	.50000000+00
.67702192-01	.19844424+01	.86832273-01	.57494949+01	.50554358+00
.88139124-01	.19844435+01	.86402250-01	.57646008+01	.51117401+00
.88575456-01	.19844453+01	.85976209-01	.58203619+01	.51689368+00
.89011768-01	.19844479+01	.85553960-01	.58567975+01	.52270522+00
.89448120-01	.19844511+01	.85135389-01	.58939281+01	.52861133+00
.89884453-01	.19844550+01	.84720275-01	.59317749+01	.53461485+00
.90320765-01	.19844596+01	.84308481-01	.59703600+01	.54071875+00
.90757117-01	.19844648+01	.83899851-01	.60097067+01	.54692612+00
.91193449-01	.19844707+01	.83494236-01	.60498394+01	.55324019+00
.91629761-01	.19844772+01	.83091489-01	.60907832+01	.55966432+00
.92066113-01	.19844843+01	.82691460-01	.61325653+01	.56620207+00
.92502445-01	.19844921+01	.82294033-01	.61752136+01	.57285720+00
.92938777-01	.19845004+01	.81899048-01	.62187575+01	.57963355+00
.93375109-01	.19845093+01	.81506376-01	.62632278+01	.58653522+00
.93811441-01	.19845189+01	.81115886-01	.63086572+01	.59356647+00
.94247773-01	.19845290+01	.80727446-01	.63550799+01	.60073186+00
.94684105-01	.19845397+01	.80340927-01	.64025519+01	.60803610+00
.95120437-01	.19845510+01	.79956199-01	.64510515+01	.61548422+00
.95556770-01	.19845628+01	.79573135-01	.65006783+01	.62308143+00
.95993102-01	.19845752+01	.79191608-01	.65514550+01	.63083331+00
.96429434-01	.19845882+01	.78811491-01	.66034262+01	.63874568+00
.96865766-01	.19846018+01	.78432655-01	.66566393+01	.64682477+00
.97302098-01	.19846159+01	.78054973-01	.67111444+01	.65507708+00
.97738430-01	.19846306+01	.77678317-01	.67666951+01	.66350960+00
.98174762-01	.19846459+01	.77302556-01	.68242474+01	.67212962+00
.98611094-01	.19846617+01	.76927560-01	.68829616+01	.68094499+00
.99047426-01	.19846781+01	.76553195-01	.69432011+01	.68996393+00
.99483758-01	.19846951+01	.76179325-01	.70050340+01	.69919527+00
.99920090-01	.19847127+01	.75805811-01	.70685326+01	.70864837+00
.10035642+00	.19847309+01	.75433251-01	.71337745+01	.71833323+00
.10079275+00	.19847497+01	.75059287-01	.72008424+01	.72826057+00
.10122490+00	.19847691+01	.74685980-01	.72698258+01	.73844188+00
.10166541+00	.19847892+01	.74312438-01	.73408182+01	.74888920+00
.10210174+00	.19848100+01	.73938500-01	.74139233+01	.75961586+00
.10253806+00	.19848315+01	.73564001-01	.74889251+01	.77063604+00
.10297439+00	.19848535+01	.73188769-01	.75669212+01	.78196491+00
.10341071+00	.19848763+01	.72812620-01	.76470606+01	.79361889+00
.10384703+00	.19848997+01	.72435365-01	.77298100+01	.80561589+00
.10428336+00	.19849238+01	.72058808-01	.78153192+01	.81797509+00
.10471968+00	.19849486+01	.71676727-01	.79037523+01	.83071725+00
.10515601+00	.19849742+01	.71294906-01	.79952878+01	.84386525+00
.10559233+00	.19850005+01	.70911102-01	.80901221+01	.85744398+00
.10602866+00	.19850276+01	.70525059-01	.81884682+01	.87148048+00
.10646498+00	.19850554+01	.70136500-01	.82905614+01	.88600454+00
.10690131+00	.19850842+01	.69745129-01	.83966619+01	.90109909+00
.10733763+00	.19851138+01	.69350626-01	.85070556+01	.91665024+00
.10745092+00	.19851217+01	.69247643-01	.85364602+01	.92079695+00

$$.65728036+00 = AS/R$$

$$.97659290+01 = P_s/P_\infty$$

$$.30173907+01 = p_s/p_\infty$$

$$.32365477+01 = T_s/T_\infty$$

TABLE 52. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 27.5$

u_s	M_∞	θ_s	θ_w	
.99273508+00	.27499920+02	.87266460-01	.10625568+00	
θ	M_1^*	ψ_1	x	r
.87266460-01	.19854324+01	.87266460-01	.57150261+01	.50000000+00
.87702792-01	.19854333+01	.86632271-01	.57506889+01	.50564857+00
.88139124-01	.19854344+01	.86402237-01	.57870336+01	.51138899+00
.88575456-01	.19854363+01	.85976171-01	.58240807+01	.51722395+00
.89011768-01	.19854366+01	.85553890-01	.58618515+01	.52315627+00
.89448120-01	.19854420+01	.85135216-01	.59003688+01	.52918898+00
.89884453-01	.19854460+01	.84719980-01	.59396566+01	.53532521+00
.90320785-01	.19854505+01	.84306015-01	.59797394+01	.54156622+00
.90757117-01	.19854558+01	.83899162-01	.60206434+01	.54792143+00
.91193449-01	.19854616+01	.83493262-01	.60623959+01	.55438644+00
.91629781-01	.19854681+01	.83090162-01	.61050258+01	.56097303+00
.92066113-01	.19854753+01	.82689714-01	.61485630+01	.56767911+00
.92502445-01	.19854830+01	.82291770-01	.61930395+01	.57451086+00
.92938777-01	.19854914+01	.81896185-01	.62384884+01	.58147262+00
.93375109-01	.19855003+01	.81502819-01	.62849452+01	.58856899+00
.93811441-01	.19855099+01	.81111530-01	.63324468+01	.59580477+00
.94247773-01	.19855200+01	.80722180-01	.63810323+01	.60318509+00
.94684105-01	.19855308+01	.80334633-01	.64307429+01	.61071526+00
.95120437-01	.19855421+01	.79948746-01	.64816224+01	.61840095+00
.95556770-01	.19855540+01	.79564393-01	.65337168+01	.62624813+00
.95993102-01	.19855665+01	.79181431-01	.65870752+01	.63426314+00
.96429434-01	.19855795+01	.78799723-01	.66417492+01	.64245264+00
.96865766-01	.19855932+01	.78419134-01	.66977940+01	.65082376+00
.97302098-01	.19856074+01	.78039525-01	.67552676+01	.65938395+00
.97738430-01	.19856222+01	.77660757-01	.68142323+01	.66814125+00
.98174762-01	.19856376+01	.77282688-01	.68747543+01	.67710412+00
.98611094-01	.19856535+01	.76905174-01	.69369045+01	.68628167+00
.99047426-01	.19856701+01	.76528069-01	.70007576+01	.69568347+00
.99483758-01	.19856873+01	.76151222-01	.70663949+01	.70531990+00
.99920090-01	.19857050+01	.75774481-01	.71339020+01	.71520191+00
.10035642+00	.19857234+01	.75397484-01	.72033719+01	.72534132+00
.10079275+00	.19857426+01	.75020670-01	.72749027+01	.73575063+00
.10122907+00	.19857624+01	.74643260-01	.73486036+01	.74644373+00
.10166540+00	.19857828+01	.74265304-01	.74245894+01	.75743520+00
.10210172+00	.19858039+01	.73886592-01	.75029849+01	.76874063+00
.10253805+00	.19858257+01	.73506942-01	.75839249+01	.78037771+00
.10297437+00	.19858482+01	.73126151-01	.76675565+01	.79236444+00
.10341069+00	.19858713+01	.72744007-01	.77540376+01	.80472095+00
.10384702+00	.19858952+01	.72360283-01	.78435420+01	.81746914+00
.10428334+00	.19859198+01	.71974744-01	.79362596+01	.83063293+00
.10471967+00	.19859452+01	.71587130-01	.80323972+01	.84423824+00
.10515599+00	.19859714+01	.71197164-01	.81321824+01	.85831372+00
.10559232+00	.19860044+01	.70804564-01	.82358665+01	.87289081+00
.10602864+00	.19860262+01	.70409003-01	.83437269+01	.88800418+00
.10646568+00	.19860411+01	.70020189-01	.84501406+01	.89609328+00

$$.79967967+00 = \Delta S/R$$

$$.11549630+02 = P_s/P_\infty$$

$$.31521384+01 = \rho_s/\rho_\infty$$

$$.36640613+01 = T_s/T_\infty$$

TABLE 53. CONICAL FLOWFIELD $\theta_s = 5.0$ DEG; $M_\infty = 30.0$

u_s	M_∞	θ_s	θ_w	
.99311382+00	.29999754+02	.87266460-01	.10533512+00	
θ	M^*_1	ψ_1	x	r
.87266460-01	.19861904+01	.87266460-01	.57150261+01	.50000000+00
.87702792-01	.19861908+01	.86832270-01	.57516873+01	.50573635+00
.88139124-01	.19861919+01	.86402228-01	.57890692+01	.51156887+00
.88575456-01	.19861937+01	.85976139-01	.58271941+01	.51750044+00
.89011788-01	.19861963+01	.85553813-01	.58660854+01	.52353413+00
.89448120-01	.19861995+01	.85135068-01	.59057679+01	.52967321+00
.89884453-01	.19862034+01	.84719725-01	.59462677+01	.53592105+00
.90320785-01	.19862080+01	.84307614-01	.59876121+01	.54228123+00
.90757117-01	.19862132+01	.83898567-01	.60298296+01	.54875744+00
.91193449-01	.19862191+01	.83492422-01	.60729503+01	.55535361+00
.91629781-01	.19862256+01	.83089017-01	.61170060+01	.56207385+00
.92066113-01	.19862328+01	.82688200-01	.61620298+01	.56892245+00
.92502445-01	.19862405+01	.82289815-01	.62080572+01	.57590400+00
.92938777-01	.19862489+01	.81893713-01	.62551247+01	.58302324+00
.93375109-01	.19862579+01	.81499745-01	.63032717+01	.59028521+00
.93811441-01	.19862674+01	.81107765-01	.63525391+01	.59767522+00
.94247773-01	.19862776+01	.80717627-01	.64029707+01	.60525887+00
.94684105-01	.19862884+01	.80329185-01	.64546127+01	.61298212+00
.95120437-01	.19862998+01	.79942298-01	.65075139+01	.62087122+00
.95556770-01	.19863117+01	.79556819-01	.65617261+01	.62893278+00
.95993102-01	.19863242+01	.79172406-01	.66173042+01	.63717386+00
.96429434-01	.19863373+01	.78789513-01	.66743066+01	.64560191+00
.96865766-01	.19863511+01	.78407394-01	.67327957+01	.65422487+00
.97302098-01	.19863654+01	.78026100-01	.67928370+01	.66305112+00
.97738430-01	.19863803+01	.77645483-01	.68545018+01	.67208970+00
.98174762-01	.19863957+01	.77265391-01	.69178655+01	.68135019+00
.98611094-01	.19864118+01	.76885668-01	.69830087+01	.69084284+00
.99047426-01	.19864285+01	.76506154-01	.70500177+01	.70057857+00
.99483758-01	.19864458+01	.76126684-01	.71189850+01	.71056909+00
.99920090-01	.19864638+01	.75747093-01	.71900108+01	.72082703+00
1.0035641+00	.19864825+01	.75367202-01	.72632011+01	.73136576+00
1.0079274+00	.19865019+01	.74986832-01	.73386734+01	.74220006+00
1.0122906+00	.19865219+01	.74605796-01	.74165530+01	.75334572+00
1.0166539+00	.19865426+01	.74223893-01	.74969754+01	.76481974+00
1.0210171+00	.19865640+01	.73840921-01	.75800874+01	.77664054+00
1.0253804+00	.19865861+01	.73456658-01	.76660487+01	.78882810+00
1.0297436+00	.19866089+01	.73070876-01	.77550335+01	.80140424+00
1.0341069+00	.19866324+01	.72683330-01	.78472325+01	.81439273+00
1.0384701+00	.19866567+01	.72293758-01	.79428547+01	.82781964+00
1.0428334+00	.19866818+01	.71901886-01	.80421300+01	.84171356+00
1.0471966+00	.19867077+01	.71507408-01	.81453102+01	.85610581+00
1.0515599+00	.19867345+01	.71110004-01	.82526751+01	.87103109+00
1.0533512+00	.19867457+01	.70945921-01	.82980375+01	.87732191+00

$$.94355470+00 = \Delta S/R$$

$$.13502116+02 = P_S/P_\infty$$

$$.32682133+01 = \rho_S/\rho_\infty$$

$$.41313450+01 = T_S/T_\infty$$

TABLE 54. CONICAL FLOWFIELD $\theta_s = 7.5$ DEG; $M_\infty = 1.0814963$

u_s	M_∞	θ_s	θ_w	
.50000938+00	.10814963+01	.13089969+00	.11961846+01	
θ	M_1^*	ψ_1	x	r
.13089969+00	.10000000+01	.13089969+00	.37978773+01	.50000000+00
.16187927+00	.10006770+01	.10580930+00	.37865981+01	.61838271+00
.19285884+00	.10020374+01	.88703917-01	.37820362+01	.73857894+00
.22383842+00	.10036068+01	.76264352-01	.37825426+01	.86110818+00
.25481800+00	.10052131+01	.66708882-01	.37871671+01	.98648285+00
.28579758+00	.10067903+01	.59314121-01	.37953344+01	.11152280+01
.31677715+00	.10083142+01	.53253535-01	.38066958+01	.12478974+01
.34775673+00	.10097783+01	.48229381-01	.38210512+01	.13850867+01
.37524565+00	.10110281+01	.44432331-01	.38362202+01	.15111267+01
.40273457+00	.10122346+01	.41124050-01	.38536667+01	.16417404+01
.43022349+00	.10134017+01	.38210604-01	.38734278+01	.17774833+01
.45771242+00	.10145334+01	.35620634-01	.38955827+01	.19189752+01
.48520134+00	.10156340+01	.33298805-01	.39202523+01	.20669135+01
.51269015+00	.10167075+01	.31201489-01	.39475990+01	.22220872+01
.54017884+00	.10177577+01	.29293932-01	.39778315+01	.23853970+01
.56417689+00	.10186583+01	.27761854-01	.40067858+01	.25354280+01
.58817495+00	.10195464+01	.26333758-01	.40383438+01	.26932346+01
.61217301+00	.10204242+01	.25008008-01	.40727543+01	.28597181+01
.63617107+00	.10212939+01	.23762010-01	.41103100+01	.30359129+01
.66016913+00	.10221578+01	.22590011-01	.41513604+01	.32230164+01
.68416719+00	.10230181+01	.21483704-01	.41963178+01	.34224201+01
.70816525+00	.10238768+01	.20435899-01	.42456752+01	.36357561+01
.72867268+00	.10246111+01	.19501996-01	.42917822+01	.38305444+01
.74918012+00	.10253474+01	.18762603-01	.43419690+01	.40383185+01
.76968755+00	.10260871+01	.17974488-01	.43967528+01	.42607272+01
.79019498+00	.10268319+01	.17214708-01	.44567449+01	.44997077+01
.81070241+00	.10275833+01	.16480595-01	.45226798+01	.47575594+01
.83120985+00	.10283431+01	.15769616-01	.45954371+01	.50370253+01
.85171728+00	.10291134+01	.15079446-01	.46760893+01	.53414171+01
.86873408+00	.10297619+01	.14520921-01	.47499397+01	.56157820+01
.88575089+00	.10304204+01	.13973944-01	.48310384+01	.59128509+01
.90276770+00	.10310904+01	.13437293-01	.49204859+01	.62359585+01
.91978450+00	.10317734+01	.12909785-01	.50196217+01	.65891404+01
.93680131+00	.10324713+01	.12390234-01	.51300932+01	.69773316+01
.95381811+00	.10331864+01	.11877342-01	.52539509+01	.74066393+01
.97083492+00	.10339210+01	.11369877-01	.53937802+01	.78847196+01
.98436110+00	.10345207+01	.10969445-01	.55184882+01	.83059094+01
.99788728+00	.10351363+01	.10570787-01	.56574565+01	.87701566+01
.10114133+01	.10357696+01	.10172918-01	.58132987+01	.92850762+01
.10249392+01	.10364230+01	.97750574-02	.59893293+01	.98602859+01

TABLE 54. (Concluded)

$$M_{\infty} = .10814963 + 01$$

$$\Theta_s = .13089969 + 00$$

Θ	M_1^*	ψ_1	x	r
.10384652+01	.10370992+01	.93762130-02	.61898051+01	.10508066+02
.10519911+01	.10378013+01	.89751631-02	.64203044+01	.11244429+02
.10655171+01	.10385334+01	.85704625-02	.66882846+01	.12090672+02
.10755524+01	.10390988+01	.82667917-02	.69172264+01	.12806290+02
.10855878+01	.10396859+01	.79592466-02	.71779281+01	.13613922+02
.10956232+01	.10402978+01	.76467693-02	.74777318+01	.14534231+02
.11056586+01	.10409381+01	.73280632-02	.78265169+01	.15594894+02
.11156940+01	.10416117+01	.70014596-02	.82379341+01	.16833972+02
.11257293+01	.10423248+01	.66648424-02	.87314559+01	.18305499+02
.11357647+01	.10430858+01	.63152611-02	.93359878+01	.20089270+02
.11423095+01	.10436131+01	.60784519-02	.98105303+01	.21477074+02
.11488543+01	.10441699+01	.58329403-02	.10369389+02	.23099355+02
.11553992+01	.10447620+01	.55766702-02	.11039138+02	.25028479+02
.11619440+01	.10453973+01	.53068846-02	.11859639+02	.27372559+02
.11684868+01	.10460870+01	.50195605-02	.12894085+02	.30302241+02
.11750329+01	.10468477+01	.47084093-02	.14250165+02	.34106947+02
.11815764+01	.10477083+01	.43631196-02	.16132179+02	.39333022+02
.11881198+01	.10487246+01	.39637983-02	.18997021+02	.47195278+02
.11946633+01	.10500357+01	.34597069-02	.24230232+02	.61352339+02
.11961846+01	.10504227+01	.33129007-02	.26248386+02	.66759515+02

$$.33131801-06 = \Delta S/R$$

$$.11094174+01 = P_s/P_{\infty}$$

$$.10642012+01 = \rho_s/\rho_{\infty}$$

$$.10424101+01 = T_s/T_{\infty}$$

TABLE 55. CONICAL FLOWFIELD $\theta_s = 7.5 \text{ DEG}$; $M_\infty = 1.5$

u_s	M_∞	θ_s	θ_w	
.62980909+00	.14999946+01	.13089969+00	.73596156+00	
θ	M^*_1	ψ_1	x	r
.13089969+00	.12595946+01	.13089969+00	.37978773+01	.50000000+00
.14835297+00	.12599071+01	.11548165+00	.38566277+01	.57637681+00
.16580626+00	.12606379+01	.10326132+00	.39196680+01	.65592736+00
.18325954+00	.12615932+01	.93312249-01	.39871358+01	.73897180+00
.20071282+00	.12626687+01	.85035987-01	.40592446+01	.82586245+00
.21816611+00	.12638054+01	.78028023-01	.41362781+01	.91699054+00
.23561939+00	.12649698+01	.72064793-01	.42185890+01	.10127933+01
.25132734+00	.12660246+01	.67255296-01	.42975312+01	.11034181+01
.26703530+00	.12670771+01	.63024718-01	.43814575+01	.11986308+01
.28274325+00	.12681220+01	.59225906-01	.44707903+01	.12988842+01
.29845121+00	.12691566+01	.55790056-01	.45640191+01	.14046904+01
.31415916+00	.12701794+01	.52661955-01	.46677077+01	.15166296+01
.32986712+00	.12711900+01	.49796838-01	.47765077+01	.16353635+01
.34382974+00	.12720781+01	.47441054-01	.48797968+01	.17472195+01
.35779237+00	.12729574+01	.45242365-01	.49899095+01	.18656500+01
.37175500+00	.12738284+01	.43182410-01	.51075462+01	.19913482+01
.38571762+00	.12746920+01	.41245282-01	.52335107+01	.21251075+01
.39968025+00	.12755492+01	.39417308-01	.53687347+01	.22678414+01
.41364288+00	.12764011+01	.37686647-01	.55142983+01	.24206066+01
.42586017+00	.12771431+01	.36243375-01	.56651136+01	.25634681+01
.43807747+00	.12778828+01	.34860302-01	.57978377+01	.27159044+01
.45029477+00	.12786212+01	.33531558-01	.59555401+01	.28790192+01
.46251207+00	.12793591+01	.32251965-01	.61255688+01	.30540945+01
.47472937+00	.12800976+01	.31016771-01	.63094754+01	.32426283+01
.48694666+00	.12808379+01	.29821541-01	.65090894+01	.34463838+01
.49974186+00	.12814746+01	.28825790-01	.66943238+01	.36347195+01
.50789054+00	.12821143+01	.27853891-01	.68943000+01	.38373156+01
.51836242+00	.12827579+01	.26903562-01	.71109144+01	.40559904+01
.52083430+00	.12834061+01	.25972567-01	.73464082+01	.42928897+01
.53936618+00	.12840603+01	.25058717-01	.76034508+01	.45505655+01
.54977806+00	.12847213+01	.24159849-01	.78852521+01	.48320815+01
.55850463+00	.12852784+01	.23420624-01	.81417812+01	.50875412+01
.56723119+00	.12858421+01	.22688985-01	.84208963+01	.53646929+01
.57595776+00	.12864133+01	.21963626-01	.87258276+01	.56666075+01
.58468433+00	.12869929+01	.21243170-01	.90604644+01	.59969777+01
.59341089+00	.12875822+01	.20526186-01	.94295384+01	.63602894+01
.60213746+00	.12881825+01	.19811124-01	.98388606+01	.67620451+01
.60911871+00	.12886717+01	.19239314-01	.10200095+02	.71156667+01
.61609997+00	.12891699+01	.18666744-01	.10596217+02	.75025197+01
.62308122+00	.12896780+01	.18092357-01	.11032745+02	.79278091+01

TABLE 55. (Concluded)

$$M_{\infty} = .14999946+01$$

$$\Theta_s = .13089969+00$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.63066248+00	.12961972+01	.17515019-01	.11516447+02	.83979129+01
.63704373+00	.12907293+01	.16933434-01	.12055733+02	.89207457+01
.64402498+00	.12912748+01	.16346127-01	.12661195+02	.95062641+01
.64926092+00	.12916946+01	.15900873-01	.13166726+02	.99940565+01
.65449686+00	.12921243+01	.15450627-01	.13724167+02	.10530889+02
.65973280+00	.12925651+01	.14994420-01	.14342315+02	.11125002+02
.66496874+00	.12930102+01	.14531165-01	.15032145+02	.11786665+02
.67020468+00	.12934851+01	.14059581-01	.15807521+02	.12528842+02
.67544062+00	.12939676+01	.13578109-01	.16686268+02	.13368172+02
.67893125+00	.12942990+01	.13250738-01	.17340746+02	.13992165+02
.68242188+00	.12946391+01	.12917534-01	.18060084+02	.14676976+02
.68591250+00	.12949887+01	.12577705-01	.18854973+02	.15432557+02
.68940313+00	.12953490+01	.12230441-01	.19738660+02	.16271231+02
.69289376+00	.12957211+01	.11874668-01	.20727814+02	.17208494+02
.69638439+00	.12961065+01	.11509143-01	.21843739+02	.18264127+02
.69987462+00	.12965074+01	.11132531-01	.23113987+02	.19463689+02
.70336448+00	.12969255+01	.10742798-01	.24575293+02	.20841228+02
.70685433+00	.12973636+01	.10337479-01	.26277852+02	.22443223+02
.71034418+00	.12978254+01	.99137276-02	.28291842+02	.24334585+02
.71383403+00	.12983158+01	.94675124-02	.30719316+02	.26609603+02
.71732388+00	.12988413+01	.89932904-02	.33715538+02	.29411556+02
.72081374+00	.12994115+01	.84831119-02	.37530947+02	.32971260+02
.72430359+00	.13000411+01	.79245418-02	.42602857+02	.37691212+02
.72779344+00	.13007553+01	.72965398-02	.49786993+02	.44357800+02
.73128329+00	.13016035+01	.65573454-02	.61089212+02	.54811149+02
.73477314+00	.13027174+01	.55957735-02	.83171247+02	.75149406+02
.73596156+00	.13032316+01	.51548555-02	.97741533+02	.88525608+02

$$.41304156-06 = \Delta S/R$$

$$.11455636+01 = P_s/P_{\infty}$$

$$.10849526+01 = \rho_s/\rho_{\infty}$$

$$.10558652+01 = T_s/T_{\infty}$$

TABLE 56. CONICAL FLOWFIELD $\theta_s = 7.5$ DEG; $M_\infty = 2.0$

u_s	M_∞	θ_s	θ_w	
.73214424+00	.19999913+01	.43089969+00	.53286955+00	
θ	M_1^*	ψ_1	x	r
.13089969+00	.14642613+01	.43089969+00	.37978773+01	.50000000+00
.14529865+00	.14645171+01	.11791114+00	.38797517+01	.56772350+00
.15969761+00	.14651401+01	.10721200+00	.39683378+01	.63917217+00
.17409657+00	.14659854+01	.98213442-01	.40640497+01	.71477322+00
.18762286+00	.14669053+01	.90949463-01	.41610941+01	.79000823+00
.20114915+00	.14679023+01	.84593944-01	.42656629+01	.86979719+00
.21467545+00	.14689484+01	.78970946-01	.43785052+01	.95466828+00
.22732908+00	.14699555+01	.74255111-01	.44923407+01	.10392031+01
.23998271+00	.14709800+01	.69977954-01	.46150464+01	.11292944+01
.25263634+00	.14720155+01	.66071395-01	.47476259+01	.12256093+01
.26441731+00	.14729860+01	.62718641-01	.48809732+01	.13215578+01
.27619827+00	.14739605+01	.59602369-01	.50250227+01	.14243061+01
.28797924+00	.14749380+01	.56691542-01	.51810934+01	.15347093+01
.29888754+00	.14758454+01	.54156557-01	.53376732+01	.16446319+01
.30979584+00	.14767551+01	.51757123-01	.55073573+01	.17629184+01
.32070414+00	.14776678+01	.49477439-01	.56918780+01	.18906772+01
.33073978+00	.14785106+01	.47473792-01	.58765092+01	.20177091+01
.34077542+00	.14793574+01	.45549866-01	.60773579+01	.21550892+01
.35081106+00	.14802093+01	.43696776-01	.62967119+01	.23042684+01
.35997403+00	.14809925+01	.42059720-01	.65154769+01	.24522509+01
.36913700+00	.14817822+01	.40469024-01	.67544300+01	.26131102+01
.37829998+00	.14825795+01	.38919158-01	.70167602+01	.27887610+01
.38659029+00	.14833087+01	.37547659-01	.72771889+01	.29623590+01
.39488060+00	.14840467+01	.36201380-01	.75630236+01	.31520540+01
.40317091+00	.14847949+01	.34876455-01	.78783200+01	.33603868+01
.41058855+00	.14854745+01	.33705916-01	.81894652+01	.35651290+01
.41800620+00	.14861656+01	.32546483-01	.85325860+01	.37900317+01
.42542384+00	.14868681+01	.31395175-01	.89131067+01	.40384743+01
.43196882+00	.14875005+01	.30383512-01	.92852759+01	.42805689+01
.43851380+00	.14881456+01	.29373288-01	.96975869+01	.45478405+01
.44505879+00	.14888052+01	.28361928-01	.10157240+02	.48447529+01
.45073110+00	.14893903+01	.27482215-01	.10600870+02	.51303663+01
.45640342+00	.14899894+01	.26597347-01	.11094300+02	.54470494+01
.46207574+00	.14906045+01	.25704831-01	.11646902+02	.58005845+01
.46687539+00	.14911392+01	.24941590-01	.12169487+02	.61339234+01
.47167504+00	.14916884+01	.24168912-01	.12752161+02	.65045577+01
.47647469+00	.14922543+01	.23384459-01	.13406594+02	.69196556+01
.48040168+00	.14927313+01	.22731982-01	.14005782+02	.72987140+01
.48432867+00	.14932225+01	.22068001-01	.14673484+02	.77200897+01
.48825560+00	.14937307+01	.21391168-01	.15423003+02	.81919209+01

TABLE 56. (Concluded)

$$M_{\infty} = .19999913+01$$

$$\Theta_s = .13087769+00$$

Θ	M_1^*	ψ_1	x	r
.49136987+00	.14941386+01	.20853780-01	.16073354+02	.86003996+01
.49436415+00	.14945588+01	.20305190-01	.16793746+02	.90519468+01
.49741842+00	.14949928+01	.19743696-01	.17597036+02	.95544013+01
.49960004+00	.14953122+01	.19333627-01	.18230468+02	.99498843+01
.50178128+00	.14956403+01	.18914692-01	.18921743+02	.10380802+02
.50396244+00	.14959780+01	.18486187-01	.19679955+02	.10852682+02
.50527114+00	.14961857+01	.18224075-01	.20171534+02	.11158219+02
.50657983+00	.14963975+01	.17957784-01	.20693999+02	.11482624+02
.50788853+00	.14966137+01	.17687038-01	.21250611+02	.11827875+02
.50919722+00	.14968347+01	.17411508-01	.21845128+02	.12196249+02
.51050591+00	.14970606+01	.17130725-01	.22481914+02	.12590391+02
.51181461+00	.14972921+01	.16844265-01	.23166070+02	.13012390+02
.51312330+00	.14975295+01	.16551532-01	.23903602+02	.13468877+02
.51443200+00	.14977735+01	.16252011-01	.24701648+02	.13961171+02
.51574069+00	.14980245+01	.15944943-01	.25568756+02	.14495437+02
.51704939+00	.14982834+01	.15629552-01	.26515268+02	.15077921+02
.51835808+00	.14985510+01	.15304856-01	.27553874+02	.15716280+02
.51966678+00	.14988283+01	.14969721-01	.28700314+02	.16420007+02
.52097547+00	.14991166+01	.14622688-01	.29974404+02	.17201046+02
.52228417+00	.14994173+01	.14262214-01	.31401581+02	.18074711+02
.52359286+00	.14997324+01	.13886079-01	.33015110+02	.19061022+02
.52490155+00	.15000642+01	.13491593-01	.34859584+02	.20186788+02
.52621025+00	.15004158+01	.13075218-01	.36996638+02	.21489035+02
.52751894+00	.15007915+01	.12632273-01	.39514472+02	.23020698+02
.52882764+00	.15011973+01	.12155943-01	.42545417+02	.24861128+02
.53013633+00	.15016420+01	.11636227-01	.46300580+02	.27136777+02
.53144503+00	.15021400+01	.11056848-01	.51146734+02	.30067107+02
.53275372+00	.15027173+01	.10388292-01	.57808263+02	.34085027+02
.53286955+00	.15027737+01	.10323152-01	.58529670+02	.34519521+02

$$.49453229-05 = \Delta S/R$$

$$.12194818+01 = P_s/P_{\infty}$$

$$.11264277+01 = \rho_s/\rho_{\infty}$$

$$.10026100+01 = T_s/T_{\infty}$$

TABLE 57. CONICAL FLOWFIELD $\theta_s = 7.5$ DEG; $M_\infty = 2.5$

u_s	M_∞	θ_s	θ_w	
.79927392+00	.24999964+01	.13089969+00	.42561089+00	
θ	M_1^*	ψ_1	x	r
.13089969+00	.15985179+01	.13089969+00	.37978773+01	.50000000+00
.13875367+00	.15986076+01	.12348518+00	.38574416+01	.53869570+00
.14660764+00	.15988460+01	.11684727+00	.39203092+01	.57890082+00
.15446162+00	.15991969+01	.11085826+00	.39866737+01	.62073251+00
.16231560+00	.15996342+01	.10541743+00	.40567569+01	.66431932+00
.17016958+00	.16001383+01	.10044408+00	.41308104+01	.70980293+00
.17802355+00	.16006947+01	.95872631-01	.42091191+01	.75733992+00
.18587753+00	.16012924+01	.91649219-01	.42920043+01	.80710391+00
.19285884+00	.16018514+01	.88150889-01	.43698158+01	.85336409+00
.19984016+00	.16024319+01	.84865462-01	.44518164+01	.90168704+00
.20682147+00	.16030302+01	.81770016-01	.45383270+01	.95223973+00
.21380278+00	.16036434+01	.78844640-01	.46297058+01	.10052074+01
.22078410+00	.16042694+01	.76071976-01	.47263553+01	.10607967+01
.22776541+00	.16049063+01	.73436758-01	.48287277+01	.11192387+01
.23474672+00	.16055531+01	.70925513-01	.49373329+01	.11807924+01
.24085537+00	.16061262+01	.68820400-01	.50379281+01	.12374335+01
.24696402+00	.16067055+01	.66793781-01	.51444124+01	.12969998+01
.25307267+00	.16072908+01	.64839043-01	.52565550+01	.13594371+01
.25918132+00	.16078819+01	.62950127-01	.53756263+01	.14253210+01
.26528997+00	.16084787+01	.61121594-01	.55020070+01	.14948617+01
.27139862+00	.16090812+01	.59348185-01	.56364024+01	.15684105+01
.27750727+00	.16096896+01	.57625193-01	.57796146+01	.16463660+01
.28274325+00	.16102160+01	.56185033-01	.59100776+01	.17170357+01
.28797924+00	.16107471+01	.54775946-01	.60403488+01	.17916019+01
.29321522+00	.16112832+01	.53395372-01	.61951710+01	.18704318+01
.29845121+00	.16118247+01	.52040886-01	.63513908+01	.19539423+01
.30368719+00	.16123719+01	.50710039-01	.65179724+01	.20426080+01
.30892318+00	.16129253+01	.49400575-01	.66960225+01	.21369726+01
.31415916+00	.16134853+01	.48110165-01	.68868170+01	.22376617+01
.31852248+00	.16139576+01	.47047749-01	.70566098+01	.23269201+01
.32288580+00	.16144353+01	.45995675-01	.72372636+01	.24215536+01
.32724912+00	.16149190+01	.44952616-01	.74299031+01	.25221113+01
.33161245+00	.16154090+01	.43917213-01	.76358245+01	.26292242+01
.33597577+00	.16159060+01	.42888030-01	.78565205+01	.27436187+01
.34033909+00	.16164105+01	.41863669-01	.80937282+01	.28661384+01
.34470241+00	.16169233+01	.40842570-01	.83494784+01	.29977679+01
.34819306+00	.16173401+01	.40026948-01	.85690218+01	.31104019+01
.35168372+00	.16177632+01	.39211471-01	.88033800+01	.32302923+01
.35517438+00	.16181930+01	.38395248-01	.90541983+01	.33582337+01
.35866503+00	.16186302+01	.37577257-01	.93233052+01	.34951461+01

TABLE 57. (Concluded)

$$M_{\infty} = .24999964 + 01$$

$$\Theta_s = .13089969 + 00$$

Θ	M_1^*	ψ_1	κ	Γ
.36215569+00	.16190755+01	.36756363-01	.96131678+01	.36421020+01
.36564635+00	.16195295+01	.35931356-01	.99261653+01	.38003611+01
.36913700+00	.16199931+01	.35160937-01	.10265482+02	.39714139+01
.37175500+00	.16203476+01	.34473658-01	.10539448+02	.41091576+01
.37437299+00	.16207086+01	.33841848-01	.10832131+02	.42559723+01
.37699094+00	.16210774+01	.33205099-01	.11145656+02	.44128750+01
.37960888+00	.16214536+01	.32562211-01	.11482515+02	.45810557+01
.38222683+00	.16218380+01	.31912085-01	.11845619+02	.47619045+01
.38484478+00	.16222313+01	.31253722-01	.12238418+02	.49570648+01
.38746273+00	.16226344+01	.30585892-01	.12665024+02	.51684952+01
.38920803+00	.16229091+01	.30134775-01	.12970616+02	.53196312+01
.39095332+00	.16231889+01	.29678315-01	.13295136+02	.54798530+01
.39269862+00	.16234741+01	.29216055-01	.13640554+02	.56500950+01
.39444392+00	.16237653+01	.28747380-01	.14009144+02	.58314359+01
.39618922+00	.16240629+01	.28271679-01	.14400354+02	.60251236+01
.39793452+00	.16243673+01	.27788218-01	.14826823+02	.62326130+01
.39967982+00	.16246794+01	.27296118-01	.15282602+02	.64556133+01
.40142512+00	.16249996+01	.26794493-01	.15775164+02	.66961483+01
.40317041+00	.16253288+01	.26282206-01	.16309035+02	.69566363+01
.40491571+00	.16256680+01	.25757987-01	.16892208+02	.72395959+01
.40666101+00	.16260183+01	.25220360-01	.17530451+02	.75497903+01
.40840631+00	.16263808+01	.24667507-01	.18233750+02	.78904324+01
.41015161+00	.16267573+01	.24097305-01	.19013864+02	.82674459+01
.41189691+00	.16271497+01	.23507107-01	.19885869+02	.86879036+01
.41364221+00	.16275603+01	.22893682-01	.20869391+02	.91610016+01
.41538750+00	.16279923+01	.22252798-01	.21990670+02	.96990185+01
.41713280+00	.16284497+01	.21579023-01	.23285773+02	.10315809+02
.41887810+00	.16289377+01	.20864978-01	.24806105+02	.11044362+02
.42062340+00	.16294641+01	.20100370-01	.26628303+02	.11911385+02
.42236870+00	.16300402+01	.19269675-01	.28873719+02	.12976350+02
.42411400+00	.16306841+01	.18348180-01	.31751694+02	.14336130+02
.42586089+00	.16313144+01	.17452583-01	.35020369+02	.15875411+02

$$.38850121-04 = \Delta S/R$$

$$.13086335+01 = P_s/P_{\infty}$$

$$.11751212+01 = \rho_s/\rho_{\infty}$$

$$.11136158+01 = T_s/T_{\infty}$$

TABLE 58. CONICAL FLOWFIELD $\theta_s = 7.5 \text{ DEG}$; $M_\infty = 3.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.84441851+00	.29999944+01	.13089969+00	.35959926+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.13089969+00	.16888053+01	.13089969+00	.37978773+01	.50000000+00
.13788100+00	.16888810+01	.12426716+00	.38636064+01	.53611965+00
.14486232+00	.16890848+01	.11825615+00	.39332229+01	.57379511+00
.15184363+00	.16893889+01	.11277067+00	.40070011+01	.61315726+00
.15882494+00	.16897725+01	.10773376+00	.40852527+01	.65435138+00
.16580626+00	.16902201+01	.10308286+00	.41683330+01	.69753961+00
.17278757+00	.16907195+01	.98766437-01	.42566454+01	.74290342+00
.17976888+00	.16912618+01	.94741557-01	.43506494+01	.79064684+00
.18587753+00	.16917657+01	.91435387-01	.44379827+01	.83455487+00
.19198618+00	.16922931+01	.88293893-01	.45304736+01	.88063468+00
.19809483+00	.16928412+01	.85313927-01	.46285715+01	.92908085+00
.20420348+00	.16934074+01	.82474507-01	.47327859+01	.98011262+00
.21031213+00	.16939902+01	.79761490-01	.48436949+01	.10339776+01
.21642078+00	.16945880+01	.77162238-01	.49619588+01	.10909571+01
.22252943+00	.16951997+01	.74665410-01	.50883335+01	.11513720+01
.22776541+00	.16957347+01	.72598994-01	.52037666+01	.12061680+01
.23300140+00	.16962792+01	.70594344-01	.53264235+01	.12640217+01
.23823738+00	.16968331+01	.68645932-01	.54570177+01	.13252331+01
.24347337+00	.16973964+01	.66748597-01	.55963666+01	.13901443+01
.24870935+00	.16979692+01	.64897437-01	.57454084+01	.14591474+01
.25394534+00	.16985517+01	.63087858-01	.59052273+01	.15326944+01
.25918132+00	.16991445+01	.61315354-01	.60770842+01	.16113092+01
.26354464+00	.16996467+01	.59863493-01	.62305514+01	.16811313+01
.26790796+00	.17001568+01	.58431894-01	.63943899+01	.17553058+01
.27227128+00	.17006752+01	.57018097-01	.65697420+01	.18343043+01
.27663460+00	.17012025+01	.55619668-01	.67579336+01	.19186730+01
.28099792+00	.17017394+01	.54234121-01	.69605114+01	.20090477+01
.28536125+00	.17022867+01	.52858826-01	.71792936+01	.21061742+01
.28972457+00	.17028452+01	.51491149-01	.74164338+01	.22109342+01
.29321522+00	.17033008+01	.50400577-01	.76210765+01	.23009379+01
.29670588+00	.17037649+01	.49311496-01	.78406613+01	.23971299+01
.30019654+00	.17042383+01	.48222285-01	.80770079+01	.25002507+01
.30368719+00	.17047217+01	.47131121-01	.83322597+01	.26111710+01
.30717785+00	.17052161+01	.46036109-01	.86089629+01	.27309229+01
.31066851+00	.17057226+01	.44935010-01	.89101681+01	.28607409+01
.31415910+00	.17062439+01	.43825801-01	.92395654+01	.30021151+01
.31677705+00	.17066445+01	.42786372-01	.95078013+01	.31168124+01
.31939500+00	.17070542+01	.42139921-01	.97967116+01	.32399498+01
.32201295+00	.17074740+01	.41284055-01	.10109016+02	.33726196+01
.32463089+00	.17079047+01	.40417444-01	.10447959+02	.35161225+01

TABLE 58. (Concluded)

$$M_{\infty} = .29999944+01$$

$$\Theta_S = .13089969+00$$

Θ	M_1^*	ψ_1	\bar{x}	\bar{r}
.32724884+00	.17083475+01	.39538052-01	.10817452+02	.36720254+01
.32986679+00	.17088037+01	.38643677-01	.11222276+02	.38422383+01
.33248474+00	.17092752+01	.37731782-01	.11668329+02	.40291146+01
.33423004+00	.17095985+01	.37112541-01	.11992179+02	.41643808+01
.33597533+00	.17099302+01	.36483116-01	.12340263+02	.43094053+01
.33772063+00	.17102708+01	.35842180-01	.12715737+02	.44654406+01
.33946593+00	.17106213+01	.35188280-01	.13122369+02	.46339821+01
.34121123+00	.17109828+01	.34519795-01	.13564718+02	.48168348+01
.34295653+00	.17113564+01	.33834681-01	.14048349+02	.50161998+01
.34470183+00	.17117436+01	.33130679-01	.14560158+02	.52347999+01
.34655748+00	.17119429+01	.32770677-01	.14066751+02	.53523475+01
.34644713+00	.17121462+01	.32404900-01	.15168808+02	.54760519+01
.34731977+00	.17123540+01	.32032762-01	.15487795+02	.56064903+01
.34819242+00	.17125665+01	.31653810-01	.15825387+02	.57443214+01
.34906507+00	.17127841+01	.31267501-01	.16183510+02	.58903016+01
.34993772+00	.17130071+01	.30873090-01	.16564388+02	.60453045+01
.35081037+00	.17132362+01	.30469913-01	.16970614+02	.62103474+01
.35168302+00	.17134717+01	.30057091-01	.17405226+02	.63866203+01
.35255567+00	.17137144+01	.29633619-01	.17871822+02	.65755332+01
.35342832+00	.17139650+01	.29198367-01	.18374703+02	.67787681+01
.35430097+00	.17142243+01	.28749924-01	.18919069+02	.69983574+01
.35517362+00	.17144933+01	.28286722-01	.19511273+02	.72367821+01
.35604627+00	.17147733+01	.27806759-01	.20159207+02	.74971213+01
.35691892+00	.17150659+01	.27307604-01	.20872829+02	.77832548+01
.35779157+00	.17153729+01	.26786234-01	.21664965+02	.81001755+01
.35866421+00	.17156967+01	.26238848-01	.22552480+02	.84544415+01
.35953686+00	.17160407+01	.25660280-01	.23558273+02	.88549467+01
.35959926+00	.17160661+01	.25617540-01	.23635498+02	.88856566+01

$$.19129738-03 = \Delta S/R$$

$$.14113787+01 = P_S/P_{\infty}$$

$$.12295639+01 = \rho_S/\rho_{\infty}$$

$$.11478693+01 = T_S/T_{\infty}$$

TABLE 59. CONICAL FLOWFIELD $\theta_s = 7.5$ DEG; $M_\infty = 4.0$

u_s	M_∞	θ_s	θ_w	
.89813013+00	.39999853+01	.13089909+00	.28429378+00	
θ	M_1^*	ψ_1	x	r
.13089909+00	.17962266+01	.13089909+00	.37978773+01	.50000000+00
.13526301+00	.17962590+01	.12667511+00	.38532037+01	.52439797+00
.13962633+00	.17963499+01	.12270643+00	.39111890+01	.54968172+00
.14398965+00	.17964908+01	.11896495+00	.39720013+01	.57591273+00
.14835297+00	.17966750+01	.11542613+00	.40358277+01	.60315042+00
.15271629+00	.17968970+01	.11206877+00	.41028755+01	.63149287+00
.15707961+00	.17971521+01	.10887446+00	.41733751+01	.66099758+00
.16130660+00	.17974070+01	.10612560+00	.42399880+01	.68862683+00
.16493359+00	.17976834+01	.10348525+00	.43098119+01	.71734928+00
.16886058+00	.17979793+01	.10094405+00	.43830765+01	.74724466+00
.17278757+00	.17982932+01	.98493503+00	.44600363+01	.77840080+00
.17671456+00	.17986236+01	.96125918+00	.45409738+01	.81091489+00
.18064155+00	.17989694+01	.93834264+00	.46262043+01	.84489475+00
.18413220+00	.17992890+01	.91855753+00	.47058523+01	.87642638+00
.18762286+00	.17996196+01	.89927923+00	.47894455+01	.90930445+00
.19111352+00	.17999606+01	.88046836+00	.48772901+01	.94363265+00
.19460417+00	.18003118+01	.86208791+00	.49697266+01	.97952600+00
.19809483+00	.18006729+01	.84410267+00	.50671365+01	.10171128+01
.20158549+00	.18010437+01	.82647936+00	.51699466+01	.10565365+01
.20463981+00	.18013762+01	.81133064+00	.52647120+01	.10926651+01
.20769414+00	.18017160+01	.79641370+00	.53643404+01	.11304435+01
.21074846+00	.18020633+01	.78170834+00	.54692352+01	.11700063+01
.21380278+00	.18024182+01	.76719465+00	.55798488+01	.12115036+01
.21685711+00	.18027808+01	.75285301+00	.56966901+01	.12551043+01
.21991143+00	.18031513+01	.73866390+00	.58203332+01	.13009983+01
.22252943+00	.18034754+01	.72660824+00	.59322191+01	.13423238+01
.22514742+00	.18038056+01	.71463762+00	.60500438+01	.13856446+01
.22776541+00	.18041424+01	.70273936+00	.61743289+01	.14311322+01
.23038340+00	.18044858+01	.69090029+00	.63056608+01	.14789790+01
.23300140+00	.18048363+01	.67910690+00	.64447058+01	.15294030+01
.23561939+00	.18051942+01	.66734497+00	.65922221+01	.15826521+01
.23780105+00	.18054984+01	.65755671+00	.67222455+01	.16293870+01
.23998271+00	.18058083+01	.64777087+00	.68593220+01	.16784649+01
.24216437+00	.18061243+01	.63797809+00	.70040948+01	.17300948+01
.24434603+00	.18064467+01	.62816761+00	.71572940+01	.17845133+01
.24652765+00	.18067767+01	.61833020+00	.73197488+01	.18419887+01
.24870928+00	.18071140+01	.60845286+00	.74924158+01	.19028300+01
.25045457+00	.18073895+01	.60051270+00	.76386350+01	.19541629+01
.25219987+00	.18076702+01	.59253119+00	.77927298+01	.20080816+01
.25394517+00	.18079565+01	.58450039+00	.79554268+01	.20648197+01

TABLE 59. (Concluded)

$$M_{\infty} = .39999853 + 0i$$

$$\Theta_s = .13089969 + 0i$$

Θ	M_1^*	ψ_1	x	r
.25569047+00	.18082488+01	.57641167-01	.81275505+01	.21246416+01
.25743577+00	.18085474+01	.56825496-01	.83100412+01	.21878486+01
.25918107+00	.18088531+01	.56002251-01	.85039812+01	.22547868+01
.26099304+00	.18090672+01	.55378649-01	.86576936+01	.23076765+01
.26179902+00	.18093256+01	.54749660-01	.88191444+01	.23630791+01
.26310799+00	.18095688+01	.54114506-01	.89890100+01	.24212099+01
.26441696+00	.18098170+01	.53472459-01	.91680537+01	.24823117+01
.26572594+00	.18100705+01	.52822892-01	.93571415+01	.25466594+01
.26703491+00	.18103290+01	.52164942-01	.95572619+01	.26145662+01
.26790756+00	.18105060+01	.51721200-01	.96973585+01	.26619901+01
.26878021+00	.18106852+01	.51273037-01	.98432384+01	.27112743+01
.26965286+00	.18108674+01	.50820135-01	.99953181+01	.27625504+01
.27052551+00	.18110528+01	.50362162-01	.10154061+02	.28159646+01
.27139816+00	.18112416+01	.49898688-01	.10319982+02	.28716791+01
.27227081+00	.18114340+01	.49429338-01	.10493653+02	.29298743+01
.27314346+00	.18116303+01	.48953634-01	.10675718+02	.29907524+01
.27401610+00	.18118306+01	.48471060-01	.10866900+02	.30545409+01
.27488875+00	.18120354+01	.47981057-01	.11068014+02	.31214954+01
.27576140+00	.18122448+01	.47482993-01	.11279987+02	.31919071+01
.27663405+00	.18124592+01	.46976145-01	.11503881+02	.32661079+01
.27750670+00	.18126791+01	.46459746-01	.11740910+02	.33444780+01
.27837935+00	.18129049+01	.45932878-01	.11992483+02	.34274575+01
.27925200+00	.18131371+01	.45394450-01	.12260235+02	.35155568+01
.28012465+00	.18133763+01	.44843312-01	.12546098+02	.36093778+01
.28099730+00	.18136232+01	.44278048-01	.12852346+02	.37096292+01
.28186995+00	.18138786+01	.43697044-01	.13181715+02	.38171609+01
.28274260+00	.18141434+01	.43098342-01	.13537514+02	.39330005+01
.28361525+00	.18144190+01	.42479631-01	.13923801+02	.40584064+01
.28429378+00	.18146416+01	.41982856-01	.14248429+02	.41635180+01

$$.17531477-02 = \Delta S/R$$

$$.16568420+01 = P_s/P_{\infty}$$

$$.13528868+01 = \rho_s/\rho_{\infty}$$

$$.12246716+01 = T_s/T_{\infty}$$

TABLE 60. CONICAL FLOWFIELD $\theta_s = 7.5$ DEG; $M_\infty = 5.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.92707051+00	.49999920+01	.13089969+00	.24390927+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.13089969+00	.18541063+01	.13089969+00	.37978773+01	.50000000+00
.13439035+00	.18541280+01	.12749824+00	.38525707+01	.52088796+00
.13788100+00	.18541894+01	.12426280+00	.39098204+01	.54253237+00
.14137166+00	.18542862+01	.12117658+00	.39697941+01	.56498531+00
.14486232+00	.18544144+01	.11822492+00	.40326771+01	.58830389+00
.14835297+00	.18545708+01	.11539494+00	.40986749+01	.61255100+00
.15184363+00	.18547520+01	.11267518+00	.41680160+01	.63779598+00
.15533429+00	.18549581+01	.11005540+00	.42409542+01	.66411562+00
.15883861+00	.18551554+01	.10783787+00	.43079482+01	.68809362+00
.16144294+00	.18553680+01	.10568423+00	.43781245+01	.71302275+00
.16449726+00	.18555950+01	.10358929+00	.44517166+01	.73897260+00
.16755158+00	.18558357+01	.10154826+00	.45289639+01	.76602016+00
.17060591+00	.18560895+01	.99556640-01	.46102157+01	.79425094+00
.17366023+00	.18563557+01	.97610233-01	.46957346+01	.82376000+00
.17671454+00	.18566341+01	.95705060-01	.47859018+01	.85465346+00
.17933255+00	.18568821+01	.94102001-01	.48671950+01	.88232539+00
.18195054+00	.18571387+01	.92524160-01	.49524882+01	.91118540+00
.18456854+00	.18574037+01	.90969367-01	.50421607+01	.94132642+00
.18718653+00	.18576772+01	.89435274-01	.51363891+01	.97285198+00
.18980452+00	.18579592+01	.87919913-01	.52357538+01	.10058780+01
.19242251+00	.18582498+01	.86421099-01	.53406453+01	.10405346+01
.19504051+00	.18585490+01	.84936706-01	.54515737+01	.10769687+01
.19722217+00	.18588653+01	.83709177-01	.55490413+01	.11088076+01
.19940383+00	.18590678+01	.82488908-01	.56514797+01	.11421043+01
.20150549+00	.18593369+01	.81274597-01	.57593138+01	.11769803+01
.20370715+00	.18596127+01	.80064913-01	.58730202+01	.12135715+01
.20594881+00	.18598956+01	.78858459-01	.59931393+01	.12520317+01
.20813047+00	.18601859+01	.77693378-01	.61202848+01	.12925353+01
.21031213+00	.18604838+01	.76449327-01	.62551568+01	.13352806+01
.21209746+00	.18607280+01	.75484829-01	.63691547+01	.13712428+01
.21380275+00	.18609783+01	.74518636-01	.64890766+01	.14089161+01
.21554805+00	.18612343+01	.73549654-01	.66154530+01	.14484499+01
.21729335+00	.18614964+01	.72576853-01	.67488825+01	.14900124+01
.21903865+00	.18617650+01	.71599090-01	.68900459+01	.15337946+01
.22078395+00	.18620404+01	.70615133-01	.70397220+01	.15800143+01
.22252925+00	.18623231+01	.69623629-01	.71988080+01	.16289222+01
.22383822+00	.18625402+01	.68874115-01	.73249167+01	.16675397+01
.22514720+00	.18627620+01	.68116816-01	.74573997+01	.17079703+01
.22645617+00	.18629888+01	.67356944-01	.75968231+01	.17505713+01
.22776514+00	.18632209+01	.66587649+01	.77438254+01	.17949197+01

TABLE 60. (Concluded)

$$M_{\infty} = .49999926+01$$

$$\Theta_s = .13089969+00$$

Θ	M_1^*	ψ_1	x	r
.22967412+00	.18634586+01	.65809987-01	.78991362+01	.18418173+01
.23038309+00	.18637024+01	.65022914-01	.80635890+01	.18912946+01
.23169206+00	.18639527+01	.64225268-01	.82381451+01	.19436165+01
.23256471+00	.18641234+01	.63686959-01	.83606733+01	.19802281+01
.23343736+00	.18642974+01	.63142924-01	.84885598+01	.20183427+01
.23431001+00	.18644749+01	.62592668-01	.86222224+01	.20580752+01
.23518266+00	.18646562+01	.62035604-01	.87621289+01	.20995537+01
.23605531+00	.18648414+01	.61471388-01	.89088043+01	.21429219+01
.23692796+00	.18650308+01	.60899112-01	.90628394+01	.21883415+01
.23780061+00	.18652247+01	.60318150-01	.92249057+01	.22359958+01
.23867326+00	.18653235+01	.60024157-01	.93091850+01	.22607249+01
.23867326+00	.18654235+01	.59727699-01	.93957672+01	.22860931+01
.23910958+00	.18655248+01	.59428625-01	.94847640+01	.23121309+01
.23954591+00	.18656275+01	.59126843-01	.95762993+01	.23388719+01
.23998223+00	.18657315+01	.58822200-01	.96705022+01	.23663513+01
.24041856+00	.18658371+01	.58514558-01	.97675130+01	.23946071+01
.24085488+00	.18659442+01	.58203761-01	.98674858+01	.24236811+01
.24129121+00	.18660528+01	.57889655-01	.99705831+01	.24536176+01
.24172753+00	.18661632+01	.57572104-01	.10076984+02	.24844649+01
.24216386+00	.18662753+01	.57250820-01	.10186884+02	.25162760+01
.24260018+00	.18663892+01	.56925688-01	.10300493+02	.25491078+01
.24303650+00	.18665051+01	.56596417-01	.10418041+02	.25830226+01
.24347283+00	.18666229+01	.56262832-01	.10539783+02	.26180891+01
.24390915+00	.18667430+01	.55924639-01	.10665997+02	.26543820+01
.24390927+00	.18667430+01	.55924552-01	.10666030+02	.26543917+01

$$.73516667-02 = \Delta S/R$$

$$.19563093+01 = P_s/P_{\infty}$$

$$.14913578+01 = \rho_s/\rho_{\infty}$$

$$.13117639+01 = T_s/T_{\infty}$$

TABLE 61. CONICAL FLOWFIELD $\theta_s = 7.5 \text{ DEG}$; $M_\infty = 6.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.94424485+00	.59999759+01	.13089969+00	.21950683+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.13089969+00	.18884543+01	.13089969+00	.37978773+01	.50000000+00
.13351768+00	.18884668+01	.12833219+00	.38458830+01	.51656663+00
.13613568+00	.18885030+01	.12585977+00	.38958358+01	.53366307+00
.13875367+00	.18885605+01	.12347429+00	.39478499+01	.55132131+00
.14137166+00	.18886378+01	.12116845+00	.40020503+01	.56957605+00
.14398965+00	.18887333+01	.11893566+00	.40585741+01	.58846519+00
.14660764+00	.18888456+01	.11676995+00	.41175716+01	.60803000+00
.14922564+00	.18889736+01	.11466587+00	.41792082+01	.62831577+00
.15184363+00	.18891164+01	.11261839+00	.42436650+01	.64937192+00
.15446162+00	.18892731+01	.11062291+00	.43111433+01	.67125302+00
.15664328+00	.18894137+01	.10899661+00	.43698432+01	.69016067+00
.15882494+00	.18895632+01	.10740107+00	.44309369+01	.70972101+00
.16100660+00	.18897212+01	.10583409+00	.44945798+01	.72997569+00
.16318826+00	.18898875+01	.10429355+00	.45609411+01	.75097013+00
.16536992+00	.18900618+01	.10277740+00	.46302074+01	.77275413+00
.16755158+00	.18902440+01	.10128368+00	.47025840+01	.79538242+00
.16973324+00	.18904339+01	.99810496-01	.47782982+01	.81891534+00
.17191491+00	.18906316+01	.98355984-01	.48576015+01	.84341951+00
.17409657+00	.18908369+01	.96918320-01	.49407735+01	.86896885+00
.17584184+00	.18910567+01	.95779102-01	.50103046+01	.89021567+00
.17758722+00	.18911813+01	.94648588-01	.50826871+01	.91223024+00
.17933255+00	.18913609+01	.93525855-01	.51581147+01	.93506334+00
.18107788+00	.18915455+01	.92409965-01	.52368004+01	.95877079+00
.18282321+00	.18917353+01	.91299977-01	.53189794+01	.98341401+00
.18456854+00	.18919302+01	.90194926-01	.54049118+01	.10090608+01
.18631386+00	.18921304+01	.89093819-01	.54948868+01	.10357864+01
.18805919+00	.18923361+01	.87995632-01	.55892256+01	.10636743+01
.18980452+00	.18925474+01	.86899303-01	.56882890+01	.10928178+01
.19111352+00	.18927697+01	.86077601-01	.57659278+01	.11155616+01
.19242251+00	.18928754+01	.85255826-01	.58466390+01	.11391189+01
.19373150+00	.18930447+01	.84433468-01	.59306299+01	.11635430+01
.19504048+00	.18932180+01	.83610000-01	.60181280+01	.11888924+01
.19634945+00	.18933951+01	.82784820-01	.61093863+01	.12152319+01
.19765842+00	.18935760+01	.81957322-01	.62046836+01	.12426330+01
.19896740+00	.18937611+01	.81126848-01	.63043284+01	.12711747+01
.20027637+00	.18939504+01	.80292702-01	.64086658+01	.13009449+01
.20158534+00	.18941441+01	.79454135-01	.65180815+01	.13320420+01
.20245799+00	.18942759+01	.78892237-01	.65940578+01	.13535643+01
.20333064+00	.18944099+01	.78327751-01	.66726235+01	.13757608+01
.20420329+00	.18945461+01	.77760410-01	.67539330+01	.13986706+01

TABLE 61. (Concluded)

$$M_{\infty} = .59999759+01$$

$$\Theta_s = .13689969+00$$

Θ	M_1^*	ψ_1	x	r
.20537594+00	.18946847+01	.77189911-01	.68381536+01	.14223362+01
.20594859+00	.18948257+01	.76615945-01	.69254678+01	.14468037+01
.20682124+00	.18949693+01	.76038178-01	.70160751+01	.14721235+01
.20769389+00	.18951155+01	.75456252-01	.71101950+01	.14983509+01
.20856654+00	.18952645+01	.74869772-01	.72080676+01	.15255465+01
.20943919+00	.18954165+01	.74278345-01	.73099590+01	.15537773+01
.20987551+00	.18954936+01	.73980620-01	.73625025+01	.15683036+01
.21031184+00	.18955716+01	.73681479-01	.74161640+01	.15831172+01
.21074816+00	.18956503+01	.73380860-01	.74709845+01	.15982282+01
.21118449+00	.18957299+01	.73078688-01	.75270091+01	.16136481+01
.21162081+00	.18958104+01	.72774900-01	.75842831+01	.16293882+01
.21205714+00	.18958917+01	.72469423-01	.76428568+01	.16454610+01
.21249346+00	.18959739+01	.72162170-01	.77027830+01	.16618799+01
.21292979+00	.18960571+01	.71853073-01	.77641165+01	.16786583+01
.21336611+00	.18961413+01	.71542043-01	.78269167+01	.16958112+01
.21380243+00	.18962265+01	.71228983-01	.78912452+01	.17133540+01
.21423876+00	.18963127+01	.70913814-01	.79571697+01	.17313035+01
.21467508+00	.18964000+01	.70596423-01	.80247605+01	.17496772+01
.21511141+00	.18964883+01	.70276693-01	.80940933+01	.17684941+01
.21554773+00	.18965779+01	.69954542-01	.81652493+01	.17877743+01
.21598406+00	.18966686+01	.69629841-01	.82383150+01	.18075392+01
.21642038+00	.18967606+01	.693002453-01	.83133830+01	.18278119+01
.21685671+00	.18968538+01	.68972262-01	.83905522+01	.18486169+01
.21729303+00	.18969484+01	.68639113-01	.84699309+01	.18699812+01
.21772936+00	.18970444+01	.68302851-01	.85516330+01	.18919328+01
.21816568+00	.18971418+01	.67963316-01	.86357836+01	.19145026+01
.21860201+00	.18972407+01	.67620333-01	.87225170+01	.19377244+01
.21903833+00	.18973412+01	.67273714-01	.88119795+01	.19616337+01
.21947465+00	.18974434+01	.66923250-01	.89043285+01	.19862696+01
.21950683+00	.18974510+01	.66897241-01	.89112581+01	.19881164+01

$$.19937813-01 = \Delta S/R$$

$$.23111075+01 = P_s/P_{\infty}$$

$$.16399253+01 = \rho_s/\rho_{\infty}$$

$$.14092761+01 = T_s/T_{\infty}$$

TABLE 62. CONICAL FLOWFIELD $\theta_s = 7.5$ DEG; $M_\infty = 8.0$

u_s	M_∞	θ_s	θ_w	
.96263091+00	.79999397+01	.13089969+00	.19254253+00	
θ	M_1^*	ψ_1	x	r
.13089969+00	.19252257+01	.13089969+00	.37978773+01	.50000000+00
.13220669+00	.19252292+01	.12960347+00	.38277853+01	.50903574+00
.13351768+00	.19252385+01	.12833189+00	.38584358+01	.51825269+00
.13482668+00	.19252541+01	.12708363+00	.38898567+01	.52765762+00
.13613568+00	.19252754+01	.12585746+00	.39220770+01	.53725768+00
.13744467+00	.19253021+01	.12465222+00	.39551279+01	.54706044+00
.13875367+00	.19253342+01	.12346680+00	.39890416+01	.55707377+00
.14006266+00	.19253713+01	.12230017+00	.40238529+01	.56730612+00
.14137166+00	.19254135+01	.12115134+00	.40595986+01	.57776638+00
.14268066+00	.19254602+01	.12001936+00	.40963176+01	.58846398+00
.14398965+00	.19255115+01	.11890334+00	.41340515+01	.59940889+00
.14529865+00	.19255672+01	.11780242+00	.41728443+01	.61061170+00
.14660764+00	.19256273+01	.11671578+00	.42127430+01	.62208369+00
.14791664+00	.19256916+01	.11564261+00	.42537977+01	.63383684+00
.14922564+00	.19257600+01	.11458216+00	.42960617+01	.64588391+00
.15053463+00	.19258324+01	.11353368+00	.43395923+01	.65823849+00
.15184363+00	.19259087+01	.11249645+00	.43844502+01	.67091507+00
.15315263+00	.19259889+01	.11146978+00	.44307014+01	.68392926+00
.15446162+00	.19260728+01	.11045296+00	.44784159+01	.69729768+00
.15577062+00	.19261606+01	.10944534+00	.45276693+01	.71103814+00
.15707961+00	.19262520+01	.10844626+00	.45785425+01	.72516979+00
.15838861+00	.19263472+01	.10745504+00	.46311237+01	.73971333+00
.15969761+00	.19264460+01	.10647105+00	.46855075+01	.75469095+00
.16100660+00	.19265485+01	.10549365+00	.47417964+01	.77012675+00
.16231560+00	.19266547+01	.10452219+00	.48001012+01	.78604659+00
.16362460+00	.19267645+01	.10355602+00	.48605425+01	.80247871+00
.16493360+00	.19268798+01	.10259452+00	.49220883+01	.81937306+00
.16624259+00	.19269916+01	.10163691+00	.49848336+01	.83672383+00
.16755159+00	.19271095+01	.10068371+00	.50488329+01	.85454990+00
.16886058+00	.19272341+01	.10000041+00	.51140333+01	.87286366+00
.17016958+00	.19273668+01	.99730968+01	.51804921+01	.89166631+00
.17147857+00	.19275031+01	.99097611+01	.52482600+01	.91096913+00
.17278757+00	.19276441+01	.98464873+01	.53172907+01	.93078478+00
.17409656+00	.19277901+01	.97832529+01	.53876367+01	.95112462+00
.17540556+00	.19279411+01	.97200355+01	.54593636+01	.97200881+00
.17671455+00	.19280971+01	.96568102+01	.55324998+01	.99346444+00
.17802355+00	.19282581+01	.95935544+01	.56070770+01	.10147979+00
.17933254+00	.19284241+01	.95302426+01	.56831521+01	.10418450+00
.18064154+00	.19285951+01	.94668452+01	.57607759+01	.10658011+00

TABLE 62. (Concluded)

$$M_{\infty} = .79999397+01$$

$$\Theta_s = .13089969+00$$

Θ	M_1^*	ψ_1	x	r
.17671451+00	.19280781+01	.94033366-01	.56187415+01	.10033794+01
.17758716+00	.19281011+01	.93396863-01	.56823558+01	.10198571+01
.17845980+00	.19282863+01	.92758643-01	.57481265+01	.10368400+01
.17933245+00	.19283936+01	.92118379-01	.58161806+01	.10543570+01
.18020510+00	.19285033+01	.91475729-01	.58866578+01	.10724397+01
.18107775+00	.19286154+01	.90830328-01	.59597086+01	.10911224+01
.18195040+00	.19287299+01	.90181796-01	.60354987+01	.11104426+01
.18282305+00	.19288470+01	.89529710-01	.61142092+01	.11304412+01
.18369570+00	.19289668+01	.88873640-01	.61960405+01	.11511635+01
.18456835+00	.19290893+01	.88213092-01	.62812123+01	.11726590+01
.18544100+00	.19292148+01	.87547561-01	.63699688+01	.11949827+01
.18587732+00	.19292786+01	.87212747-01	.64157746+01	.12064738+01
.18631365+00	.19293433+01	.86876478-01	.64625805+01	.12181953+01
.18674997+00	.19294088+01	.86538669-01	.65104250+01	.12301558+01
.18718630+00	.19294751+01	.86199235-01	.65593493+01	.12423646+01
.18762262+00	.19295422+01	.85858094-01	.66093969+01	.12548313+01
.18805895+00	.19296102+01	.85515156-01	.66606135+01	.12675663+01
.18849527+00	.19296791+01	.85170327-01	.67130482+01	.12805804+01
.18893160+00	.19297490+01	.84823504-01	.67667528+01	.12938853+01
.18936792+00	.19298198+01	.84474586-01	.68217826+01	.13074932+01
.18980424+00	.19298916+01	.84123459-01	.68781965+01	.13214174+01
.19024057+00	.19299644+01	.83770007-01	.69360577+01	.13356719+01
.19067689+00	.19300383+01	.83414106-01	.69954326+01	.13502714+01
.19111322+00	.19301133+01	.83055621-01	.70563940+01	.13652321+01
.19154954+00	.19301894+01	.82694413-01	.71190183+01	.13805711+01
.19198587+00	.19302666+01	.82330339-01	.71833885+01	.13963066+01
.19242219+00	.19303451+01	.81963230-01	.72495931+01	.14124585+01
.19285853+00	.19304250+01	.81614270-01	.72681876+01	.14169891+01

$$.73220268-01 = \Delta S/R$$

$$.31914099+01 = P_s/P_{\infty}$$

$$.19483342+01 = \rho_s/\rho_{\infty}$$

$$.16380197+01 = T_s/T_{\infty}$$

TABLE 63. CONICAL FLOWFIELD $\theta_s = 7.5 \text{ DEG}$; $M_\infty = 10.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.97170140+00	.99999969+01	.13089969+00	.17870819+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.13089969+00	.19433663+01	.13089969+00	.37978773+01	.50000000+00
.13177235+00	.19433678+01	.13083273+00	.38210376+01	.50644179+00
.13264502+00	.19433722+01	.12917685+00	.38446396+01	.51298441+00
.13351768+00	.19433793+01	.12833160+00	.38686960+01	.51963080+00
.13439035+00	.19433891+01	.12749652+00	.38932204+01	.52638401+00
.13526301+00	.19434016+01	.12667119+00	.39182267+01	.53324722+00
.13613568+00	.19434165+01	.12585521+00	.39437298+01	.54022373+00
.13700834+00	.19434340+01	.12504818+00	.39697448+01	.54731704+00
.13788100+00	.19434539+01	.12424972+00	.39962877+01	.55453070+00
.13875367+00	.19434761+01	.12345948+00	.40233754+01	.56186853+00
.13962633+00	.19435006+01	.12267709+00	.40510256+01	.56933446+00
.14049900+00	.19435274+01	.12190222+00	.40792565+01	.57693265+00
.14137166+00	.19435564+01	.12113454+00	.41080876+01	.58466739+00
.14224432+00	.19435876+01	.12037373+00	.41375395+01	.59254329+00
.14311699+00	.19436208+01	.11961947+00	.41676333+01	.60056508+00
.14398965+00	.19436562+01	.11887146+00	.41983914+01	.60873772+00
.14486232+00	.19436936+01	.11812940+00	.42298376+01	.61706650+00
.14573498+00	.19437330+01	.11739301+00	.42619967+01	.62555695+00
.14660764+00	.19437745+01	.11666199+00	.42948950+01	.63421484+00
.14748031+00	.19438179+01	.11593608+00	.43285599+01	.64304629+00
.14835297+00	.19438633+01	.11521498+00	.43630209+01	.65205777+00
.14922564+00	.19439106+01	.11449844+00	.43983085+01	.66125603+00
.15009830+00	.19439598+01	.11378617+00	.44344551+01	.67064819+00
.15097097+00	.19440109+01	.11307792+00	.44714956+01	.68024194+00
.15184363+00	.19440639+01	.11237342+00	.45094664+01	.69004524+00
.15271629+00	.19441188+01	.11167240+00	.45484060+01	.70006656+00
.15358896+00	.19441756+01	.11097461+00	.45883558+01	.71031491+00
.15446162+00	.19442343+01	.11027977+00	.46293591+01	.72079982+00
.15533429+00	.19442949+01	.10958763+00	.46714625+01	.73153142+00
.15620695+00	.19443573+01	.10889792+00	.47147159+01	.74252054+00
.15707961+00	.19444216+01	.10821036+00	.47591716+01	.75377862+00
.15795228+00	.19444879+01	.10752468+00	.48048864+01	.76531797+00
.15882494+00	.19445561+01	.10684061+00	.48519207+01	.77715167+00
.15969761+00	.19446262+01	.10615787+00	.49003386+01	.78929364+00
.16057027+00	.19446983+01	.10547617+00	.49502103+01	.80175900+00
.16144294+00	.19447724+01	.10479521+00	.50016094+01	.81456370+00
.16231560+00	.19448485+01	.10411469+00	.50546166+01	.82772508+00
.16318826+00	.19449267+01	.10343429+00	.51093177+01	.84126168+00
.16406093+00	.19450069+01	.10275370+00	.51658071+01	.85519368+00
.16493358+00	.19450896+01	.10207258+00	.52241842+01	.86954244+00

TABLE 63. (Concluded)

$$M_{\infty} = .99999909+01$$

$$\Theta_s = .13089969+00$$

Θ	M_1^*	ψ_1	x	r
.16580623+00	.19451745+01	.10139056+00	.52845602+01	.88433179+00
.16667888+00	.19452617+01	.10070730+00	.53470542+01	.89958716+00
.16755152+00	.19453511+01	.10002240+00	.54117960+01	.91533631+00
.16842417+00	.19454429+01	.99335438-01	.54789271+01	.93160935+00
.16929682+00	.19455372+01	.98645987-01	.55486031+01	.94843942+00
.17016947+00	.19456339+01	.97953586-01	.56209942+01	.96586269+00
.17104212+00	.19457334+01	.97257746-01	.56962883+01	.98391896+00
.17191477+00	.19458354+01	.96557930-01	.57746927+01	.10026522+01
.17278742+00	.19459404+01	.95853571-01	.58564377+01	.10221109+01
.17322375+00	.19459945+01	.95499497-01	.58986412+01	.10321289+01
.17366007+00	.19460483+01	.95144050-01	.59417778+01	.10423490+01
.17409639+00	.19461034+01	.94787147-01	.59858845+01	.10527789+01
.17453272+00	.19461593+01	.94428698-01	.60309995+01	.10634266+01
.17496904+00	.19462160+01	.94068604-01	.60771647+01	.10743011+01
.17540537+00	.19462736+01	.93706770-01	.61244231+01	.10854112+01
.17584169+00	.19463320+01	.93343092-01	.61720216+01	.10967669+01
.17627802+00	.19463913+01	.92977464-01	.62224092+01	.11083784+01
.17671434+00	.19464516+01	.92609761-01	.62732386+01	.11202567+01
.17715067+00	.19465128+01	.92239870-01	.63253658+01	.11324136+01
.17758699+00	.19465749+01	.91867665-01	.63788511+01	.11448615+01
.17802332+00	.19466381+01	.91493001-01	.64337584+01	.11576140+01
.17845964+00	.19467023+01	.91115737-01	.64901569+01	.11706855+01
.17870819+00	.19467393+01	.90899609-01	.65229788+01	.11782799+01

$$.16549805+00 = \Delta S/R$$

$$.43048638+01 = P_s/P_{\infty}$$

$$.22476732+01 = \rho_s/\rho_{\infty}$$

$$.19157649+01 = T_s/T_{\infty}$$

TABLE 64. CONICAL FLOWFIELD $\theta_s = 7.5 \text{ DEG}$; $M_\infty = 12.5$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.97774084+00	.12499994+02	.13089969+00	.16921159+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.13089969+00	.19554450+01	.13089969+00	.37978773+01	.50000000+00
.13177235+00	.19554465+01	.13003272+00	.38242643+01	.50686946+00
.13264502+00	.19554509+01	.12917675+00	.38512231+01	.51386284+00
.13351768+00	.19554580+01	.12833127+00	.38787729+01	.52098430+00
.13439035+00	.19554679+01	.12749575+00	.39069341+01	.52823818+00
.13526301+00	.19554804+01	.12666971+00	.39357279+01	.53562901+00
.13613568+00	.19554955+01	.12585268+00	.39651771+01	.54316165+00
.13700834+00	.19555131+01	.12504422+00	.39953052+01	.55084112+00
.13788100+00	.19555332+01	.12424380+00	.40261372+01	.55867266+00
.13875367+00	.19555556+01	.12345125+00	.40576992+01	.56666188+00
.13962633+00	.19555804+01	.12266591+00	.40900195+01	.57481470+00
.14049900+00	.19556075+01	.12188748+00	.41231270+01	.58313730+00
.14137166+00	.19556368+01	.12111557+00	.41570534+01	.59163625+00
.14224432+00	.19556684+01	.12034981+00	.41918313+01	.60031850+00
.14311699+00	.19557022+01	.11958982+00	.42274960+01	.60919143+00
.14398965+00	.19557382+01	.11883525+00	.42640843+01	.61826275+00
.14486232+00	.19557762+01	.11808574+00	.43016356+01	.62754069+00
.14573498+00	.19558164+01	.11734094+00	.43401918+01	.63703407+00
.14660764+00	.19558587+01	.11660050+00	.43797979+01	.64675221+00
.14748031+00	.19559031+01	.11586408+00	.44205009+01	.65670495+00
.14835297+00	.19559496+01	.11513134+00	.44623522+01	.66690294+00
.14922564+00	.19559982+01	.11440193+00	.45054059+01	.67735740+00
.15009830+00	.19560488+01	.11367550+00	.45497198+01	.68808034+00
.15097097+00	.19561016+01	.11295172+00	.45953564+01	.69908469+00
.15184363+00	.19561564+01	.11223022+00	.46423830+01	.71038434+00
.15271629+00	.19562133+01	.11150702+00	.46866437+01	.72161495+00
.15358896+00	.19562724+01	.11079268+00	.47315687+01	.73279201+00
.15446162+00	.19563335+01	.11007589+00	.47766515+01	.74400252+00
.15533429+00	.19563969+01	.10935993+00	.48225486+01	.75520872+00
.15620695+00	.19564624+01	.10864441+00	.48691200+01	.76642867+00
.15707961+00	.19565302+01	.10792891+00	.49163859+01	.77765332+00
.15795227+00	.19565994+01	.10721303+00	.49642403+01	.78888490+00
.15882493+00	.19566700+01	.10649668+00	.50126880+01	.79911571+00
.15969759+00	.19567420+01	.10578000+00	.50617304+01	.80934655+00

TABLE 64. (Concluded)

$$M_{\infty} = .12499994 + 02$$

$$\Theta_s = .13089969 + 00$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.15882492+00	.19566731+01	.10649632+00	.50785899+01	.81345807+00
.15926125+00	.19567103+01	.10613751+00	.51100851+01	.82078981+00
.15969757+00	.19567482+01	.10577832+00	.51421737+01	.82824563+00
.16013389+00	.19567866+01	.10541868+00	.51748744+01	.83582938+00
.16057022+00	.19568257+01	.10505855+00	.52082077+01	.84354518+00
.16100654+00	.19568654+01	.10469783+00	.52421949+01	.85139737+00
.16144287+00	.19569057+01	.10433649+00	.52768582+01	.85939045+00
.16187919+00	.19569467+01	.10397443+00	.53122215+01	.86752921+00
.16231552+00	.19569883+01	.10361160+00	.53483089+01	.87581859+00
.16275184+00	.19570306+01	.10324792+00	.53851474+01	.88426398+00
.16318817+00	.19570736+01	.10288330+00	.54227635+01	.89287075+00
.16362449+00	.19571173+01	.10251768+00	.54611871+01	.90164492+00
.16406082+00	.19571617+01	.10215097+00	.55004480+01	.91059249+00
.16449714+00	.19572068+01	.10178307+00	.55405791+01	.91972007+00
.16493347+00	.19572526+01	.10141391+00	.55816138+01	.92903438+00
.16536979+00	.19572992+01	.10104339+00	.56235890+01	.93854286+00
.16580611+00	.19573466+01	.10067142+00	.56665428+01	.94825307+00
.16624244+00	.19573947+01	.10029788+00	.57105160+01	.95817327+00
.16667876+00	.19574437+01	.99922670+01	.57555518+01	.96831205+00
.16711509+00	.19574936+01	.99545680+01	.58016960+01	.97867859+00
.16755141+00	.19575442+01	.99166790+01	.58489981+01	.98928279+00
.16798774+00	.19575958+01	.98785872+01	.58975102+01	.10001350+01
.16842406+00	.19576483+01	.98402794+01	.59472880+01	.10112464+01
.16886039+00	.19577017+01	.98017422+01	.59983916+01	.10226289+01
.16929159+00	.19577454+01	.97705454+01	.60405324+01	.10319965+01

$$.32525519+00 = \Delta S/R$$

$$.60305715+01 = P_s/P_{\infty}$$

$$.25804855+01 = \rho_s/\rho_{\infty}$$

$$.23369911+01 = T_s/T_{\infty}$$

TABLE 65. CONICAL FLOWFIELD $\theta_s = 7.5 \text{ DEG}$; $M_\infty = 15.0$

u_s	M_∞	θ_s	θ_w	
.98111153+00	.149999779+02	.13089969+00	.16378697+00	
θ	M_1^*	ψ_1	x	r
.13089969+00	.19621863+01	.13089969+00	.37978773+01	.50000000+00
.13177235+00	.19621877+01	.13083271+00	.38266982+01	.50719203+00
.13264502+00	.19621921+01	.12917667+00	.38562004+01	.51452695+00
.13351768+00	.19621993+01	.12833099+00	.38864092+01	.52200998+00
.13439035+00	.19622092+01	.12749511+00	.39173516+01	.52964668+00
.13526301+00	.19622218+01	.12666847+00	.39490559+01	.53744289+00
.13613568+00	.19622370+01	.12585057+00	.39815523+01	.54540478+00
.13700834+00	.19622547+01	.12504090+00	.40148727+01	.55353891+00
.13788100+00	.19622748+01	.12423897+00	.40490507+01	.56185217+00
.13875367+00	.19622974+01	.12344432+00	.40841223+01	.57035189+00
.13962633+00	.19623224+01	.12265650+00	.41201257+01	.57904585+00
.14049900+00	.19623497+01	.12187506+00	.41571013+01	.58794229+00
.14137166+00	.19623793+01	.12109956+00	.41950924+01	.59705001+00
.14224432+00	.19624112+01	.12037139+00	.42344830+01	.60638598+00
.14311699+00	.19624454+01	.11969465+00	.42743089+01	.61593726+00
.14398965+00	.19624817+01	.11904405+00	.42948236+01	.62080649+00
.14486232+00	.19625208+01	.11842604+00	.43156360+01	.62573739+00
.14573498+00	.19625613+01	.11784859+00	.43367533+01	.63073141+00
.14660764+00	.19626033+01	.11731720+00	.43581830+01	.63579006+00
.14748031+00	.19626467+01	.11682965+00	.43799327+01	.64091492+00
.14835297+00	.19626913+01	.11638183+00	.44020103+01	.64610751+00
.14922564+00	.19627372+01	.11596945+00	.44244242+01	.65136958+00
.15009830+00	.19627843+01	.11558793+00	.44471829+01	.65670276+00
.15097097+00	.19628324+01	.11524238+00	.44702955+01	.66210894+00
.15184363+00	.19628814+01	.11493061+00	.44937708+01	.66758984+00
.15271629+00	.19629313+01	.11464884+00	.45176188+01	.67314749+00
.15358895+00	.19629821+01	.11439873+00	.45418494+01	.67878386+00
.15446161+00	.19630338+01	.11417907+00	.45664725+01	.68450095+00
.15533427+00	.19630863+01	.11398997+00	.45914995+01	.69030099+00
.15620693+00	.19631397+01	.11382779+00	.46169414+01	.69618620+00
.15707959+00	.19631939+01	.11369228+00	.46428096+01	.70215885+00
.15795225+00	.19632489+01	.11358186+00	.46691165+01	.70822141+00
.15882491+00	.19633047+01	.11349621+00	.46958748+01	.71437641+00
.15969757+00	.19633613+01	.11343378+00	.47230976+01	.72062645+00
.16057023+00	.19634187+01	.11339552+00	.47507988+01	.72697429+00
.16144289+00	.19634769+01	.11338137+00	.47789937+01	.73342275+00
.16231555+00	.19635359+01	.11339028+00	.48076944+01	.73997486+00
.16318821+00	.19635957+01	.11342117+00	.48369194+01	.74663366+00

TABLE 65. (Concluded)

$$M_{\infty} = .14999979+02$$

$$\Theta_s = .13089969+00$$

Θ	M_1^*	ψ_1	x	r
.15358896+00	.19635282+01	.11063299+00	.48666844+01	.75340245+00
.15402528+00	.19630598+01	.11026469+00	.48970060+01	.76028453+00
.15446161+00	.19630919+01	.10989618+00	.49279028+01	.76728354+00
.15489793+00	.19631247+01	.10952741+00	.49593937+01	.77440325+00
.15533426+00	.19631581+01	.10915831+00	.49914986+01	.78164756+00
.15577058+00	.19631921+01	.10878881+00	.50242380+01	.78902054+00
.15620691+00	.19632267+01	.10841884+00	.50576342+01	.79652652+00
.15664323+00	.19632620+01	.10804833+00	.50917098+01	.80416997+00
.15707956+00	.19632979+01	.10767719+00	.51264892+01	.81195571+00
.15751588+00	.19633345+01	.10730535+00	.51619977+01	.81988867+00
.15795220+00	.19633717+01	.10693274+00	.51982622+01	.82797413+00
.15838853+00	.19634096+01	.10655926+00	.52353107+01	.83621757+00
.15882485+00	.19634483+01	.10618483+00	.52731737+01	.84462497+00
.15926118+00	.19634876+01	.10580936+00	.53118827+01	.85320248+00
.15969750+00	.19635276+01	.10543275+00	.53514705+01	.86195652+00
.16013383+00	.19635684+01	.10505491+00	.53919733+01	.87089413+00
.16057015+00	.19636100+01	.10467574+00	.54334285+01	.88002260+00
.16100648+00	.19636523+01	.10429513+00	.54758756+01	.88934963+00
.16144280+00	.19636954+01	.10391296+00	.55193574+01	.89888355+00
.16187913+00	.19637393+01	.10352913+00	.55639187+01	.90863304+00
.16231545+00	.19637840+01	.10314349+00	.56096084+01	.91860761+00
.16275178+00	.19638296+01	.10275594+00	.56564771+01	.92881706+00
.16318810+00	.19638761+01	.10236632+00	.57045802+01	.93927215+00
.16362442+00	.19639234+01	.10197450+00	.57539762+01	.94998416+00
.16378697+00	.19639413+01	.10182794+00	.57727200+01	.95404280+00

$$.51727065+00 = \Delta S/R$$

$$.81314269+01 = P_s/P_{\infty}$$

$$.28594867+01 = \rho_s/\rho_{\infty}$$

$$.28440645+01 = T_s/T_{\infty}$$

TABLE 66. CONICAL FLOWFIELD $\theta_s = 7.5$ DEG; $M_\infty = 17.5$

u_s	M_∞	θ_s	θ_w	
.98317853+00	.17500000+02	.13089969+00	.16040956+00	
θ	M_1^*	ψ_1	x	r
.13089969+00	.19663202+01	.13089969+00	.37978773+01	.50000000+00
.13133602+00	.19663206+01	.13046479+00	.38131132+01	.50369857+00
.13177235+00	.19663217+01	.13003270+00	.38285379+01	.50743589+00
.13220869+00	.19663235+01	.12960333+00	.38441553+01	.51121271+00
.13264502+00	.19663261+01	.12917666+00	.38599691+01	.51502981+00
.13308135+00	.19663293+01	.12875244+00	.38759833+01	.51888799+00
.13351768+00	.19663333+01	.12833077+00	.38922017+01	.52278801+00
.13395401+00	.19663379+01	.12791151+00	.39086287+01	.52673076+00
.13439035+00	.19663432+01	.12749458+00	.39252683+01	.53071706+00
.13482668+00	.19663492+01	.12707993+00	.39421253+01	.53474784+00
.13526301+00	.19663558+01	.12666746+00	.39592039+01	.53882395+00
.13569934+00	.19663631+01	.12625713+00	.39765090+01	.54294641+00
.13613568+00	.19663711+01	.12584805+00	.39940452+01	.54711609+00
.13657201+00	.19663796+01	.12544256+00	.40118177+01	.55133406+00
.13700834+00	.19663888+01	.12503819+00	.40298316+01	.55560133+00
.13744467+00	.19663986+01	.12463569+00	.40480922+01	.55991895+00
.13788100+00	.19664091+01	.12423497+00	.40666049+01	.56428801+00
.13831734+00	.19664201+01	.12383599+00	.40853753+01	.56870964+00
.13875367+00	.19664318+01	.12343868+00	.41044095+01	.57318502+00
.13918900+00	.19664440+01	.12304298+00	.41237126+01	.57771536+00
.13962633+00	.19664569+01	.12264802+00	.41432936+01	.58230188+00
.14006266+00	.19664703+01	.12225615+00	.41631560+01	.58694588+00
.14049900+00	.19664843+01	.12186691+00	.41833079+01	.59164872+00
.14093533+00	.19664989+01	.12147503+00	.42037557+01	.59641170+00
.14137166+00	.19665141+01	.12108646+00	.42245070+01	.60123633+00
.14180799+00	.19665299+01	.12069914+00	.42455691+01	.60612403+00
.14224432+00	.19665462+01	.12031301+00	.42669496+01	.61107631+00
.14268066+00	.19665632+01	.11992801+00	.42886667+01	.61609479+00
.14311699+00	.19665807+01	.11954409+00	.43106984+01	.62118107+00
.14355332+00	.19665987+01	.11916119+00	.43330839+01	.62633691+00
.14398965+00	.19666174+01	.11877924+00	.43558217+01	.63156403+00
.14442598+00	.19666366+01	.11839820+00	.43789209+01	.63686421+00
.14486232+00	.19666564+01	.11801800+00	.44023916+01	.64223941+00
.14529865+00	.19666767+01	.11763858+00	.44262437+01	.64769160+00
.14573498+00	.19666976+01	.11725990+00	.44504875+01	.65322278+00
.14617131+00	.19667191+01	.11688188+00	.44751340+01	.65883513+00
.14660764+00	.19667412+01	.11650447+00	.45001943+01	.66453079+00
.14704398+00	.19667638+01	.11612761+00	.45256806+01	.67031219+00
.14748031+00	.19667870+01	.11575124+00	.45516046+01	.67618157+00
.14791664+00	.19668108+01	.11537530+00	.45779794+01	.68214152+00

TABLE 66. (Concluded)

$M_{\infty} = .17500000+02$		$\Theta_s = .13089969+00$		
Θ	M_1^*	ψ_1	x	r
.14835297+00	.19668351+01	.11499973+00	.46048185+01	.68819465+00
.14878931+00	.19668661+01	.11462447+00	.46321355+01	.69434363+00
.14922564+00	.19668856+01	.11424944+00	.46599452+01	.70059135+00
.14966197+00	.19669117+01	.11387460+00	.46882629+01	.70694074+00
.15009830+00	.19669384+01	.11349987+00	.47171640+01	.71339482+00
.15053463+00	.19669657+01	.11312519+00	.47464857+01	.71995694+00
.15097097+00	.19669936+01	.11275049+00	.47764252+01	.72663043+00
.15140730+00	.19670221+01	.11237569+00	.48069411+01	.73341887+00
.15184362+00	.19670513+01	.11200074+00	.48380516+01	.74032579+00
.15227995+00	.19670812+01	.11162557+00	.48697779+01	.74735531+00
.15271627+00	.19671118+01	.11125068+00	.49021407+01	.75451142+00
.15315260+00	.19671429+01	.11087421+00	.49351625+01	.76179844+00
.15358892+00	.19671747+01	.11049788+00	.49688665+01	.76922087+00
.15402525+00	.19672072+01	.11012101+00	.50032779+01	.77678358+00
.15446157+00	.19672403+01	.10974352+00	.50384221+01	.78449142+00
.15489789+00	.19672741+01	.10936531+00	.50743265+01	.79234967+00
.15533422+00	.19673086+01	.10898631+00	.51110201+01	.80036394+00
.15577054+00	.19673437+01	.10860641+00	.51485338+01	.80854008+00
.15620687+00	.19673796+01	.10822553+00	.51868996+01	.81688432+00
.15664319+00	.19674162+01	.10784356+00	.52261518+01	.82540315+00
.15707952+00	.19674535+01	.10746041+00	.52663270+01	.83410361+00
.15751584+00	.19674915+01	.10707595+00	.53074636+01	.84299305+00
.15795217+00	.19675304+01	.10669099+00	.53496022+01	.85207921+00
.15838849+00	.19675700+01	.10630269+00	.53927869+01	.86137049+00
.15882482+00	.19676104+01	.10591364+00	.54370642+01	.87087576+00
.15926114+00	.19676516+01	.10552281+00	.54824839+01	.88060448+00
.15969747+00	.19676937+01	.10513006+00	.55290988+01	.89056673+00
.16013379+00	.19677366+01	.10473524+00	.55769465+01	.90077344+00
.16046956+00	.19677802+01	.10434856+00	.56278935+01	.90735558+00

$$.72612706+00 = \Delta S/R$$

$$.10609522+02 = P_s/P_{\infty}$$

$$.30650359+01 = \rho_s/\rho_{\infty}$$

$$.34390273+01 = T_s/T_{\infty}$$

TABLE 67. CONICAL FLOWFIELD $\theta_s = 7.5$ DEG; $M_\infty = 20.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.98453501+00	.19999554+02	.13089969+00	.15816997+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.13089969+00	.19690331+01	.13089969+00	.37978773+01	.50000000+00
.13133602+00	.19690335+01	.13046479+00	.38138056+01	.50379003+00
.13177235+00	.19690346+01	.13003269+00	.38279401+01	.50762172+00
.13220869+00	.19690364+01	.12960331+00	.38462852+01	.51149595+00
.13264502+00	.19690390+01	.12917655+00	.38628452+01	.51541356+00
.13308135+00	.19690422+01	.12875234+00	.38796246+01	.51937547+00
.13351768+00	.19690462+01	.12833059+00	.38966281+01	.52338254+00
.13395401+00	.19690508+01	.12791122+00	.39138605+01	.52743580+00
.13439035+00	.19690562+01	.12749417+00	.39313266+01	.53153616+00
.13482668+00	.19690621+01	.12707933+00	.39490317+01	.53568468+00
.13526301+00	.19690688+01	.12666666+00	.39669809+01	.53988236+00
.13569934+00	.19690761+01	.12625606+00	.39851798+01	.54413030+00
.13613568+00	.19690840+01	.12584747+00	.40036337+01	.54842955+00
.13657201+00	.19690926+01	.12544081+00	.40223488+01	.55278132+00
.13700834+00	.19691018+01	.12503662+00	.40413309+01	.55718676+00
.13744467+00	.19691117+01	.12463303+00	.40605862+01	.56164709+00
.13788100+00	.19691221+01	.12423176+00	.40801212+01	.56616355+00
.13831734+00	.19691332+01	.12383215+00	.40999425+01	.57073748+00
.13875367+00	.19691449+01	.12343414+00	.41200571+01	.57537022+00
.13919000+00	.19691572+01	.12303766+00	.41404720+01	.58006315+00
.13962633+00	.19691701+01	.12264264+00	.41611947+01	.58481772+00
.14006266+00	.19691835+01	.12224901+00	.41822328+01	.58963543+00
.14049900+00	.19691975+01	.12185672+00	.42035944+01	.59451786+00
.14093533+00	.19692123+01	.12146570+00	.42252874+01	.59946653+00
.14137166+00	.19692276+01	.12107589+00	.42473208+01	.60448321+00
.14180799+00	.19692435+01	.12068721+00	.42697033+01	.60956957+00
.14224432+00	.19692599+01	.12029962+00	.42924439+01	.61472738+00
.14268066+00	.19692769+01	.11991304+00	.43155525+01	.61995856+00
.14311699+00	.19692945+01	.11952742+00	.43390390+01	.62526500+00
.14355332+00	.19693127+01	.11914269+00	.43629138+01	.63064875+00
.14398965+00	.19693315+01	.11875878+00	.43871877+01	.63611188+00
.14442598+00	.19693509+01	.11837563+00	.44118717+01	.64165652+00
.14486232+00	.19693708+01	.11799319+00	.44369778+01	.64728499+00
.14529865+00	.19693913+01	.11761137+00	.44625182+01	.65299963+00
.14573498+00	.19694124+01	.11723013+00	.44885054+01	.65880269+00
.14617131+00	.19694341+01	.11684939+00	.45149532+01	.66469737+00
.14660764+00	.19694564+01	.11646910+00	.45418747+01	.67068563+00
.14704398+00	.19694793+01	.11608917+00	.45692853+01	.67677062+00
.14748031+00	.19695027+01	.11570955+00	.45971996+01	.68295511+00
.14791664+00	.19695268+01	.11533016+00	.46256336+01	.68924224+00

TABLE 67. (Concluded)

$M_{\infty} = .19999954+02$			$\Theta_s = .13089969+00$	
$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.14835297+00	.19695515+01	.11495094+00	.46546038+01	.69563513+00
.14878931+00	.19695767+01	.11457181+00	.46841276+01	.70213709+00
.14922564+00	.19696026+01	.11419271+00	.47142236+01	.70875172+00
.14966197+00	.19696291+01	.11381355+00	.47449104+01	.71548258+00
.15009829+00	.19696563+01	.11343427+00	.47762077+01	.72233339+00
.15053462+00	.19696843+01	.11305478+00	.48081377+01	.72930837+00
.15097094+00	.19697128+01	.11267501+00	.48407221+01	.73641171+00
.15140727+00	.19697420+01	.11229483+00	.48739846+01	.74364788+00
.15184359+00	.19697718+01	.11191430+00	.49079498+01	.75102158+00
.15227992+00	.19698023+01	.11153317+00	.49426432+01	.75853766+00
.15271624+00	.19698334+01	.11115143+00	.49780927+01	.76620138+00
.15315257+00	.19698653+01	.11076897+00	.50143272+01	.77401827+00
.15358889+00	.19698978+01	.11038570+00	.50513767+01	.78199398+00
.15402522+00	.19699310+01	.11000152+00	.50892744+01	.79013481+00
.15446154+00	.19699649+01	.10961633+00	.51280538+01	.79844708+00
.15489786+00	.19699996+01	.10923002+00	.51677521+01	.80693781+00
.15533419+00	.19700350+01	.10884248+00	.52084075+01	.81561422+00
.15577051+00	.19700711+01	.10845359+00	.52500606+01	.82448398+00
.15620684+00	.19701081+01	.10806324+00	.52927565+01	.83355555+00
.15664316+00	.19701457+01	.10767129+00	.53365405+01	.84283746+00
.15707949+00	.19701843+01	.10727761+00	.53814635+01	.85233928+00
.15751581+00	.19702236+01	.10688206+00	.54275784+01	.86207092+00
.15795214+00	.19702638+01	.10648449+00	.54749422+01	.87204306+00
.15816997+00	.19702843+01	.10628520+00	.54990746+01	.87711515+00

$$.94115999+00 = \Delta S/R$$

$$.13466124+02 = P_s/P_{\infty}$$

$$.32661106+01 = \rho_s/\rho_{\infty}$$

$$.41229848+01 = T_s/T_{\infty}$$

TABLE 68. CONICAL FLOWFIELD $\theta_s = 7.5$ DEG; $M_\infty = 22.5$

u_s	M_∞	θ_s	θ_w	
.98547224+00	.22499977+02	.13089969+00	.15661124+00	
θ	M_1^*	ψ_1	x	r
.13089969+00	.19709075+01	.13089969+00	.37978773+01	.50000000+00
.13133602+00	.19709079+01	.13046479+00	.38143391+01	.50386051+00
.13177235+00	.19709090+01	.13003268+00	.38310212+01	.50776501+00
.13220869+00	.19709108+01	.12960329+00	.38479282+01	.51171444+00
.13264502+00	.19709134+01	.12917651+00	.38650651+01	.51570976+00
.13308135+00	.19709167+01	.12875225+00	.38824368+01	.51975194+00
.13351768+00	.19709206+01	.12833045+00	.39000483+01	.52384193+00
.13395401+00	.19709253+01	.12791100+00	.39179052+01	.52798087+00
.13439035+00	.19709306+01	.12749383+00	.39360127+01	.53216976+00
.13482668+00	.19709366+01	.12707886+00	.39543768+01	.53640975+00
.13526301+00	.19709433+01	.12666601+00	.39730031+01	.54070196+00
.13569934+00	.19709506+01	.12625520+00	.39918981+01	.54504760+00
.13613568+00	.19709585+01	.12584636+00	.40110675+01	.54944786+00
.13657201+00	.19709671+01	.12543941+00	.40305183+01	.55390404+00
.13700834+00	.19709764+01	.12503428+00	.40502570+01	.55841742+00
.13744467+00	.19709862+01	.12463089+00	.40702906+01	.56298936+00
.13788100+00	.19709967+01	.12422918+00	.40906264+01	.56762127+00
.13831734+00	.19710078+01	.12382907+00	.41112719+01	.57231460+00
.13875367+00	.19710195+01	.12343050+00	.41322349+01	.57707086+00
.13919000+00	.19710318+01	.12303339+00	.41535233+01	.58189159+00
.13962633+00	.19710448+01	.12263767+00	.41751457+01	.58677841+00
.14006266+00	.19710583+01	.12224328+00	.41971106+01	.59173299+00
.14049900+00	.19710725+01	.12185015+00	.42194273+01	.59675712+00
.14093533+00	.19710872+01	.12145820+00	.42421046+01	.60185249+00
.14137166+00	.19711025+01	.12106738+00	.42651532+01	.60702113+00
.14180799+00	.19711185+01	.12067762+00	.42885824+01	.61226488+00
.14224432+00	.19711350+01	.12028884+00	.43124031+01	.61758577+00
.14268066+00	.19711521+01	.11990099+00	.43366264+01	.62298597+00
.14311699+00	.19711698+01	.11951398+00	.43612635+01	.62846760+00
.14355332+00	.19711881+01	.11912777+00	.43863265+01	.63403300+00
.14398965+00	.19712070+01	.11874226+00	.44118280+01	.63968456+00
.14442598+00	.19712265+01	.11835741+00	.44377805+01	.64542466+00
.14486232+00	.19712465+01	.11797314+00	.44641980+01	.65125599+00
.14529865+00	.19712672+01	.11758938+00	.44910946+01	.65718122+00
.14573498+00	.19712885+01	.11720606+00	.45184850+01	.66320315+00
.14617131+00	.19713103+01	.11682310+00	.45463849+01	.66932479+00
.14660764+00	.19713328+01	.11644044+00	.45748100+01	.67554908+00
.14704398+00	.19713558+01	.11605801+00	.46037781+01	.68187945+00
.14748031+00	.19713795+01	.11567572+00	.46333063+01	.68831909+00
.14791664+00	.19714038+01	.11529350+00	.46634137+01	.69487166+00

TABLE 68. (Concluded)

$$M_{\infty} = .22499977+02$$

$$\Theta_s = .13089969+00$$

Θ	M_1^*	ψ_1	x	T
.14835297+00	.19714287+01	.11491129+00	.46941198+01	.70154083+00
.14878931+00	.19714542+01	.11452898+00	.47254449+01	.70833044+00
.14922563+00	.19714806+01	.11414652+00	.47574106+01	.71524458+00
.14966195+00	.19715075+01	.11376380+00	.47900400+01	.72228757+00
.15009828+00	.19715352+01	.11338075+00	.48233576+01	.72946406+00
.15053460+00	.19715634+01	.11299728+00	.48573880+01	.73677868+00
.15097093+00	.19715923+01	.11261331+00	.48921582+01	.74423652+00
.15140725+00	.19716219+01	.11222873+00	.49276963+01	.75184287+00
.15184358+00	.19716522+01	.11184345+00	.49640325+01	.75960336+00
.15227990+00	.19716832+01	.11145737+00	.50011981+01	.76752388+00
.15271623+00	.19717149+01	.11107039+00	.50392264+01	.77561069+00
.15315255+00	.19717472+01	.11068240+00	.50781530+01	.78387042+00
.15358888+00	.19717803+01	.11029329+00	.51180156+01	.79231014+00
.15402520+00	.19718142+01	.10990295+00	.51588541+01	.80093730+00
.15446153+00	.19718488+01	.10951125+00	.52007112+01	.80975989+00
.15489785+00	.19718842+01	.10911866+00	.52436317+01	.81878623+00
.15533417+00	.19719204+01	.10872326+00	.52876647+01	.82802548+00
.15577050+00	.19719574+01	.10832671+00	.53328618+01	.83748722+00
.15620682+00	.19719952+01	.10792824+00	.53792787+01	.84718193+00
.15664314+00	.19720340+01	.10755708+00	.54234421+01	.85638499+00

$$.11556980+01 = \Delta S/R$$

$$.16701941+02 = P_s/P_{\infty}$$

$$.34109397+01 = \rho_s/\rho_{\infty}$$

$$.48965807+01 = T_s/T_{\infty}$$

TABLE 69. CONICAL FLOWFIELD $\theta_s = 7.5 \text{ DEG}$; $M_\infty = 25.0$

u_s	M_∞	θ_s	θ_w	
.98614634+00	.24999928+02	.13089969+00	.15548418+00	
e	M_1^*	ψ_1	x	r
.13089969+00	.19722557+01	.43089969+00	.37978773+01	.50000000+00
.13133602+00	.19722561+01	.13046479+00	.38147558+01	.50391554+00
.13177235+00	.19722572+01	.13003268+00	.38318657+01	.50787694+00
.13220869+00	.19722590+01	.12960327+00	.38492121+01	.51188517+00
.13264502+00	.19722616+01	.12917647+00	.38668003+01	.51594128+00
.13308135+00	.19722649+01	.12875219+00	.38846357+01	.52004632+00
.13351768+00	.19722688+01	.12833033+00	.39027238+01	.52420130+00
.13395401+00	.19722735+01	.12791382+00	.39210706+01	.52840745+00
.13439035+00	.19722788+01	.12749356+00	.39396817+01	.53266583+00
.13482668+00	.19722848+01	.12707848+00	.39585636+01	.53697769+00
.13526301+00	.19722915+01	.12666549+00	.39777225+01	.54134423+00
.13569934+00	.19722988+01	.12625451+00	.39971652+01	.54576677+00
.13613568+00	.19723068+01	.12584547+00	.40168982+01	.55024656+00
.13657201+00	.19723154+01	.12543829+00	.40369291+01	.55478507+00
.13700834+00	.19723246+01	.12503288+00	.40572650+01	.55938363+00
.13744467+00	.19723345+01	.12462918+00	.40779135+01	.56404374+00
.13788100+00	.19723450+01	.12422711+00	.40988825+01	.56876691+00
.13831734+00	.19723561+01	.12382660+00	.41201802+01	.57355469+00
.13875367+00	.19723679+01	.12342757+00	.41418153+01	.57840878+00
.13919000+00	.19723802+01	.12302995+00	.41637966+01	.58333083+00
.13962633+00	.19723932+01	.12263367+00	.41861332+01	.58832260+00
.14006266+00	.19724068+01	.12223866+00	.42088347+01	.59338593+00
.14049900+00	.19724209+01	.12184484+00	.42319112+01	.59852274+00
.14093533+00	.19724357+01	.12145216+00	.42553728+01	.60373492+00
.14137166+00	.19724511+01	.12106053+00	.42792306+01	.60902464+00
.14180799+00	.19724670+01	.12066988+00	.43034956+01	.61439398+00
.14224432+00	.19724836+01	.12028014+00	.43281796+01	.61984815+00
.14268066+00	.19725008+01	.11989125+00	.43532948+01	.62538050+00
.14311699+00	.19725186+01	.11950313+00	.43788537+01	.63100240+00
.14355332+00	.19725370+01	.11911571+00	.44048700+01	.63671343+00
.14398965+00	.19725559+01	.11872892+00	.44313575+01	.64251620+00
.14442598+00	.19725755+01	.11834268+00	.44583303+01	.64841340+00
.14486232+00	.19725956+01	.11795692+00	.44858040+01	.65440796+00
.14529865+00	.19726164+01	.11757157+00	.45137946+01	.66050291+00
.14573498+00	.19726378+01	.11718655+00	.45423109+01	.66670131+00
.14617131+00	.19726598+01	.11680179+00	.45713930+01	.67300651+00
.14660764+00	.19726824+01	.11641720+00	.46010365+01	.67942188+00
.14704398+00	.19727056+01	.11603272+00	.46312684+01	.68595112+00
.14748031+00	.19727295+01	.11564825+00	.46621085+01	.69269792+00
.14791664+00	.19727540+01	.11526372+00	.46935786+01	.70000000+00

TABLE 69. (Concluded)

$$M_{\infty} = .24999928+32$$

$$\Theta_s = .13087969+00$$

Θ	M_1^*	ψ_1	x	r
.14835297+00	.19727793+01	.11487904+00	.47256998+01	.70626045+00
.14878929+00	.19728052+01	.11449413+00	.47584968+01	.71328477+00
.14922561+00	.19728318+01	.11410889+00	.47919938+01	.72044385+00
.14966194+00	.19728590+01	.11372325+00	.48262172+01	.72774263+00
.15009826+00	.19728869+01	.11333710+00	.48611946+01	.73518629+00
.15053459+00	.19729154+01	.11295034+00	.48969548+01	.74278019+00
.15097091+00	.19729447+01	.11256208+00	.49335290+01	.75053012+00
.15140724+00	.19729746+01	.11217462+00	.49709496+01	.75844216+00
.15184356+00	.19730053+01	.11178544+00	.50092515+01	.76652275+00
.15227989+00	.19730366+01	.11139524+00	.50484713+01	.77477874+00
.15271621+00	.19730687+01	.11100390+00	.50886477+01	.78321727+00
.15315254+00	.19731015+01	.11061129+00	.51298227+01	.79184615+00
.15358886+00	.19731351+01	.11021730+00	.51720465+01	.80067355+00
.15402519+00	.19731695+01	.10982179+00	.52153487+01	.80970829+00
.15446151+00	.19732047+01	.10942462+00	.52597972+01	.81895959+00
.15489784+00	.19732407+01	.10902564+00	.53054396+01	.82843737+00
.15533416+00	.19732775+01	.10862471+00	.53523350+01	.83815240+00
.15548418+00	.19732904+01	.10848637+00	.53687589+01	.84154956+00

$$.13658053+01 = \Delta S/R$$

$$.20317284+02 = P_s/P_{\infty}$$

$$.35272045+01 = \rho_s/\rho_{\infty}$$

$$.57801403+01 = T_s/T_{\infty}$$

TABLE 70. CONICAL FLOWFIELD $\theta_s = 7.5 \text{ DEG}$; $M_\infty = 27.5$

u_s	M_∞	θ_s	θ_w	
.98664714+00	.27499960+02	.13069969+00	.15464345+00	
θ	M_1^*	ψ_1	x	r
.13089969+00	.19732573+01	.13089969+00	.37978773+01	.50000000+00
.13133602+00	.19732577+01	.13046479+00	.38150854+01	.50395908+00
.13177235+00	.19732588+01	.13003268+00	.38325339+01	.50796551+00
.13220869+00	.19732606+01	.12960326+00	.38502285+01	.51202034+00
.13264502+00	.19732632+01	.12917644+00	.38681744+01	.51612464+00
.13308135+00	.19732665+01	.12875213+00	.38863777+01	.52027951+00
.13351768+00	.19732704+01	.12833024+00	.39048439+01	.52448607+00
.13395401+00	.19732751+01	.12791067+00	.39235796+01	.52874557+00
.13439035+00	.19732804+01	.12749334+00	.39425909+01	.53305916+00
.13482668+00	.19732864+01	.12707817+00	.39618846+01	.53742818+00
.13526301+00	.19732931+01	.12666507+00	.39814672+01	.54185386+00
.13569934+00	.19733004+01	.12625396+00	.40013461+01	.54633762+00
.13613568+00	.19733084+01	.12584475+00	.40215282+01	.55088079+00
.13657201+00	.19733170+01	.12543738+00	.40420216+01	.55548491+00
.13700834+00	.19733263+01	.12503175+00	.40628339+01	.56015143+00
.13744467+00	.19733362+01	.12462779+00	.40839733+01	.56488191+00
.13788100+00	.19733467+01	.12422543+00	.41054482+01	.56967797+00
.13831734+00	.19733578+01	.12382459+00	.41272675+01	.57454130+00
.13875367+00	.19733696+01	.12342519+00	.41494405+01	.57947365+00
.13919000+00	.19733819+01	.12302716+00	.41719766+01	.58447681+00
.13962633+00	.19733949+01	.12263043+00	.41948857+01	.58955269+00
.14006266+00	.19734085+01	.12223492+00	.42181782+01	.59470322+00
.14049900+00	.19734227+01	.12184055+00	.42418648+01	.59993047+00
.14093533+00	.19734375+01	.12144726+00	.42659566+01	.60523651+00
.14137166+00	.19734529+01	.12105496+00	.42904654+01	.61062360+00
.14180799+00	.19734690+01	.12066360+00	.43154033+01	.61609399+00
.14224432+00	.19734856+01	.12027308+00	.43407828+01	.62165008+00
.14268066+00	.19735028+01	.11988335+00	.43666175+01	.62729440+00
.14311699+00	.19735207+01	.11949432+00	.43929210+01	.63302952+00
.14355332+00	.19735391+01	.11910591+00	.44197078+01	.63885820+00
.14398965+00	.19735581+01	.11871807+00	.44469932+01	.64478327+00
.14442598+00	.19735778+01	.11833069+00	.44747927+01	.65080767+00
.14486232+00	.19735980+01	.11794372+00	.45031231+01	.65693454+00
.14529865+00	.19736189+01	.11755708+00	.45320018+01	.66316716+00
.14573498+00	.19736404+01	.11717067+00	.45614468+01	.66950890+00
.14617131+00	.19736625+01	.11678443+00	.45914777+01	.67596341+00
.14660764+00	.19736852+01	.11639826+00	.46221139+01	.68253431+00
.14704398+00	.19737086+01	.11601209+00	.46533772+01	.68922573+00
.14748031+00	.19737326+01	.11562584+00	.46852892+01	.69604161+00
.14791663+00	.19737574+01	.11523940+00	.47178733+01	.70298637+00

TABLE 70. (Concluded)

$$M_{\infty} = .27499960+02$$

$$\Theta_s = .13089969+00$$

Θ	M_1^*	ψ_1	x	r
.14835296+00	.19737828+01	.11485270+00	.47511545+01	.71006465+00
.14878928+00	.19738089+01	.11446564+00	.47851592+01	.71728134+00
.14922561+00	.19738357+01	.11407813+00	.48199144+01	.72464149+00
.14966193+00	.19738631+01	.11369006+00	.48554494+01	.73215052+00
.15009826+00	.19738912+01	.11330135+00	.48917951+01	.73981414+00
.15053458+00	.19739200+01	.11291187+00	.49289838+01	.74763837+00
.15097091+00	.19739496+01	.11252153+00	.49670503+01	.75562964+00
.15140723+00	.19739798+01	.11213021+00	.50060307+01	.76379460+00
.15184356+00	.19740107+01	.11173779+00	.50459645+01	.77214058+00
.15227988+00	.19740424+01	.11134416+00	.50868931+01	.78067522+00
.15271620+00	.19740749+01	.11094918+00	.51288601+01	.78940650+00
.15315253+00	.19741081+01	.11055272+00	.51719136+01	.79834331+00
.15358885+00	.19741421+01	.11015465+00	.52161034+01	.80749480+00
.15402518+00	.19741769+01	.10975480+00	.52614838+01	.81687096+00
.15446150+00	.19742126+01	.10935304+00	.53081121+01	.82648227+00
.15464345+00	.19742277+01	.10918490+00	.53279399+01	.83056244+00

$$.15693365+01 = \Delta S/R$$

$$.24312541+02 = P_s/P_{\infty}$$

$$.36211935+01 = \rho_s/\rho_{\infty}$$

$$.67139581+01 = T_s/T_{\infty}$$

TABLE 71. CONICAL FLOWFIELD $\theta_s = 7.5 \text{ DEG}$; $M_\infty = 30.0$

u_s	M_∞	θ_s	θ_w	
.98702928+00	.29999917+02	.43089969+00	.15400006+00	
θ	M_1^*	ψ_1	x	r
.13089969+00	.19740215+01	.13089969+00	.37978773+01	.50000000+00
.13133602+00	.19740219+01	.13046479+00	.38153496+01	.50399399+00
.13177235+00	.19740230+01	.13003267+00	.38330697+01	.50803652+00
.13220869+00	.19740249+01	.12960325+00	.38510435+01	.51212872+00
.13264502+00	.19740275+01	.12917642+00	.38692767+01	.51627171+00
.13308135+00	.19740307+01	.12875209+00	.38877753+01	.52046661+00
.13351768+00	.19740347+01	.12833016+00	.39065455+01	.52471462+00
.13395401+00	.19740393+01	.12791055+00	.39255939+01	.52901702+00
.13439035+00	.19740447+01	.12749317+00	.39449270+01	.53337501+00
.13482668+00	.19740507+01	.12707792+00	.39645520+01	.53779001+00
.13526301+00	.19740574+01	.12666473+00	.39844757+01	.54226330+00
.13569934+00	.19740647+01	.12625350+00	.40047059+01	.54679637+00
.13613568+00	.19740727+01	.12584416+00	.40252501+01	.55139063+00
.13657201+00	.19740813+01	.12543663+00	.40461165+01	.55604766+00
.13700834+00	.19740905+01	.12503082+00	.40673133+01	.56076901+00
.13744467+00	.19741005+01	.12462666+00	.40888490+01	.56555630+00
.13788100+00	.19741110+01	.12422406+00	.41107328+01	.57041126+00
.13831734+00	.19741221+01	.12382295+00	.41329739+01	.57533566+00
.13875367+00	.19741339+01	.12342325+00	.41555821+01	.58033133+00
.13919000+00	.19741463+01	.12302489+00	.41785673+01	.58540016+00
.13962633+00	.19741593+01	.12262778+00	.42019402+01	.59054413+00
.14006266+00	.19741729+01	.12223186+00	.42257117+01	.59576534+00
.14049900+00	.19741872+01	.12183704+00	.42498932+01	.60106594+00
.14093533+00	.19742020+01	.12144325+00	.42744966+01	.60644012+00
.14137166+00	.19742174+01	.12105042+00	.42995344+01	.61191430+00
.14180799+00	.19742335+01	.12065846+00	.43250193+01	.61746683+00
.14224432+00	.19742502+01	.12026731+00	.43509649+01	.62310827+00
.14268066+00	.19742674+01	.11987688+00	.43773054+01	.62884129+00
.14311699+00	.19742853+01	.11948710+00	.44042955+01	.63466861+00
.14355332+00	.19743038+01	.11909790+00	.44317109+01	.64059322+00
.14398965+00	.19743229+01	.11870918+00	.44596475+01	.64661805+00
.14442598+00	.19743426+01	.11832088+00	.44881222+01	.65274628+00
.14486232+00	.19743629+01	.11793292+00	.45171529+01	.65898127+00
.14529865+00	.19743839+01	.11754520+00	.45467585+01	.66532651+00
.14573498+00	.19744054+01	.11715765+00	.45769582+01	.67178559+00
.14617131+00	.19744275+01	.11677019+00	.46077729+01	.67836241+00
.14660764+00	.19744504+01	.11638272+00	.46392239+01	.68506090+00
.14704398+00	.19744739+01	.11599517+00	.46713245+01	.69188543+00
.14748030+00	.19744982+01	.11560743+00	.47041277+01	.69884021+00
.14791663+00	.19745231+01	.11521943+00	.47376300+01	.70593018+00
.14835295+00	.19745487+01	.11483105+00	.47718678+01	.71316023+00
.14878928+00	.19745749+01	.11444222+00	.48068673+01	.72053558+00
.14922560+00	.19746018+01	.11405281+00	.48426646+01	.72806178+00
.14966192+00	.19746295+01	.11366274+00	.48792852+01	.73574466+00
.15009825+00	.19746578+01	.11327169+00	.49167648+01	.74359041+00
.15053457+00	.19746868+01	.11288016+00	.49551386+01	.75160554+00
.15097090+00	.19747165+01	.11248742+00	.49944447+01	.75979707+00
.15140722+00	.19747470+01	.11209355+00	.50347233+01	.76817235+00
.15184355+00	.19747781+01	.11169844+00	.50760176+01	.77673931+00
.15227987+00	.19748101+01	.11130194+00	.51183726+01	.78550627+00
.15271620+00	.19748428+01	.11090392+00	.51618373+01	.79448214+00
.15315252+00	.19748764+01	.11050424+00	.52064643+01	.80367657+00
.15358885+00	.19749108+01	.11010274+00	.52523090+01	.81309967+00
.15402518+00	.19749439+01	.10972253+00	.52994640+01	.82219967+00

$$.17452211+01 = \Delta S/R$$

$$.28487463+02 = p_0/p_\infty$$

$$.36977563+01 = \rho_0/\rho_\infty$$

$$.77580732+01 = T_0/T_\infty$$

TABLE 72. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 1.1289566$

u_s	M_∞	θ_s	θ_w	
.50000938+00	.11289566+01	.17453292+00	.11187998+01	
θ	M_1^*	ψ_1	x	r
.17453292+00	.10000000+01	.17453292+00	.28356408+01	.50000000+00
.20245817+00	.10006119+01	.15041530+00	.28243313+01	.57975189+00
.23038343+00	.10019863+01	.13205605+00	.28175274+01	.66084496+00
.25830868+00	.10037226+01	.11758638+00	.28143827+01	.74359182+00
.28623393+00	.10056263+01	.10584916+00	.28143583+01	.82831047+00
.31415918+00	.10075978+01	.96129522+01	.28171062+01	.91533303+00
.34208444+00	.10095850+01	.87928385+01	.28224047+01	.10050128+01
.36739170+00	.10113764+01	.81517603+01	.28292982+01	.10888992+01
.39269896+00	.10131477+01	.76883374+01	.28381299+01	.11755915+01
.41800622+00	.10148942+01	.70884213+01	.28488923+01	.12654303+01
.44331348+00	.10166142+01	.66410825+01	.28616127+01	.13587931+01
.46862074+00	.10183081+01	.62377281+01	.28763512+01	.14561009+01
.49392800+00	.10199775+01	.58715284+01	.28932016+01	.15578279+01
.51661713+00	.10214554+01	.55702344+01	.29102083+01	.16532271+01
.53930620+00	.10229177+01	.52910775+01	.29291317+01	.17530470+01
.56199528+00	.10243668+01	.50313070+01	.29501168+01	.18577846+01
.58468435+00	.10258052+01	.47885962+01	.29733378+01	.19680053+01
.60737342+00	.10272355+01	.45609340+01	.29990046+01	.20843573+01
.63006250+00	.10286606+01	.43466002+01	.30273677+01	.22075882+01
.65013360+00	.10299192+01	.41669078+01	.30549447+01	.23230265+01
.67020471+00	.10311781+01	.39955631+01	.30851113+01	.24452204+01
.69027581+00	.10324394+01	.38317487+01	.31101580+01	.25749745+01
.71034691+00	.10337056+01	.36747299+01	.31544253+01	.27132223+01
.73041802+00	.10349790+01	.35238497+01	.31943191+01	.28610577+01
.75048912+00	.10362623+01	.33784926+01	.32383243+01	.30197714+01
.76794226+00	.10373885+01	.32561518+01	.32803818+01	.31678113+01
.78539539+00	.10385263+01	.31372175+01	.33264447+01	.33264263+01
.80284853+00	.10396782+01	.30213706+01	.33770593+01	.34970267+01
.82030166+00	.10408463+01	.29082924+01	.34328796+01	.36812899+01
.83775479+00	.10420336+01	.27976818+01	.34946970+01	.38812288+01
.85520793+00	.10432431+01	.26892394+01	.35634791+01	.40992855+01
.87004309+00	.10442912+01	.25985464+01	.36283049+01	.43010960+01
.88487826+00	.10453602+01	.25090136+01	.36999217+01	.45203871+01
.89971342+00	.10464529+01	.24204515+01	.37794282+01	.47598755+01
.91454658+00	.10475726+01	.23326583+01	.38681822+01	.50228959+01
.92938375+00	.10487228+01	.22454150+01	.39678812+01	.53135921+01
.94421891+00	.10499086+01	.21584831+01	.40806787+01	.56371865+01
.95643611+00	.10509138+01	.20869426+01	.41853444+01	.59330494+01
.96865330+00	.10519502+01	.20152621+01	.43027430+01	.62604703+01
.98087049+00	.10530214+01	.19432493+01	.44353914+01	.66254434+01

TABLE 72. (Concluded)

$$M_{\infty} = .11289566+01$$

$$\Theta_s = .17453292+00$$

θ	M_1^*	ψ_1	x	r
.99308767+00	.10541322+01	.18706806-01	.45865433+01	.70356715+01
.10053048+01	.10552885+01	.17972767-01	.47604854+01	.75012439+01
.10175218+01	.10564981+01	.17227654-01	.49630026+01	.80356929+01
.10271208+01	.10574919+01	.16630352-01	.51472906+01	.85158452+01
.10367199+01	.10585303+01	.16021430-01	.53594241+01	.90621735+01
.10463189+01	.10596208+01	.15397102-01	.56066299+01	.96912937+01
.10559180+01	.10607731+01	.14753208-01	.58990349+01	.10426358+02
.10655171+01	.10620003+01	.14084220-01	.62513562+01	.11300820+02
.10751161+01	.10633204+01	.13382390-01	.66860089+01	.12365317+02
.10820973+01	.10643536+01	.12845039-01	.70736960+01	.13303466+02
.10890778+01	.10654644+01	.12278229-01	.75455465+01	.14433029+02
.10960575+01	.10666742+01	.11672497-01	.81364214+01	.15831402+02
.11030372+01	.10680171+01	.11012629-01	.89063001+01	.17630999+02
.11100169+01	.10695520+01	.10273516-01	.99705973+01	.20085006+02
.11169966+01	.10713999+01	.94023496-02	.11597194+02	.23776837+02
.11187998+01	.10719587+01	.91423541-02	.12183737+02	.25094211+02

$$.45523047-05 = \Delta S/R$$

$$.11805180+01 = P_s/P_{\infty}$$

$$.11046938+01 = \rho_s/\rho_{\infty}$$

$$.10686382+01 = T_s/T_{\infty}$$

TABLE 73. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 1.5$

u_s	M_∞	θ_s	e_w	
.61529264+00	.14999996+01	.17453292+00	.74744381+00	
θ	M_1^*	ψ_1	x	r
.17453292+00	.12365622+01	.17453292+00	.28356408+01	.50000000+00
.19198620+00	.12368832+01	.15864412+00	.28733157+01	.55851594+00
.20943949+00	.12316779+01	.14534593+00	.29138188+01	.61935122+00
.22689277+00	.12327722+01	.13402461+00	.29572824+01	.68274232+00
.24434605+00	.12340591+01	.12424741+00	.30038775+01	.74895062+00
.26179934+00	.12354706+01	.11569979+00	.30538162+01	.81826740+00
.27925262+00	.12369627+01	.10814731+00	.31073534+01	.89101903+00
.29496057+00	.12383503+01	.10205245+00	.31588625+01	.95973554+00
.31066853+00	.12397655+01	.96516434+01	.32137883+01	.10318342+01
.32637648+00	.12411985+01	.91456842+01	.32724286+01	.11076556+01
.34208444+00	.12426428+01	.86806476+01	.33351267+01	.11875848+01
.35779239+00	.12440946+01	.82509715+01	.34022803+01	.12720601+01
.37350035+00	.12455494+01	.78520313+01	.34743500+01	.13615824+01
.38746297+00	.12468456+01	.75200520+01	.35429695+01	.14458586+01
.40142560+00	.12481437+01	.72069142+01	.36163292+01	.15350401+01
.41538823+00	.12494437+01	.69105767+01	.36949294+01	.16296574+01
.42935085+00	.12507462+01	.66292435+01	.37793494+01	.17303206+01
.44331348+00	.12520520+01	.63613225+01	.38702620+01	.18377348+01
.45727611+00	.12533622+01	.61054029+01	.39684640+01	.19527206+01
.46949340+00	.12545135+01	.58903173+01	.40610676+01	.20602963+01
.48171070+00	.12556704+01	.56826752+01	.41606871+01	.21751537+01
.49392800+00	.12568342+01	.54817595+01	.42681587+01	.22981656+01
.50614525+00	.12580065+01	.52868932+01	.43844773+01	.24300541+01
.51836244+00	.12591888+01	.50974570+01	.45108187+01	.25729234+01
.53057963+00	.12603832+01	.49128644+01	.46485832+01	.27273046+01
.54105151+00	.12614181+01	.47580548+01	.47770267+01	.28703236+01
.55152339+00	.12624650+01	.46060309+01	.49163601+01	.30245605+01
.56199528+00	.12635255+01	.44564478+01	.50680883+01	.31915402+01
.57246716+00	.12646016+01	.43089546+01	.52340160+01	.33730869+01
.58293904+00	.12656954+01	.41631915+01	.54163266+01	.35714021+01
.59341092+00	.12668097+01	.40188029+01	.56176940+01	.37891740+01
.60213748+00	.12677559+01	.38992457+01	.58024185+01	.39878822+01
.61086405+00	.12687202+01	.37801333+01	.60050055+01	.42047395+01
.61959062+00	.12697050+01	.36612131+01	.62283164+01	.44426029+01
.62831718+00	.12707127+01	.35421997+01	.64758821+01	.47049903+01
.63704375+00	.12717467+01	.34227826+01	.67521170+01	.49962887+01
.64577032+00	.12728104+01	.33026062+01	.70626171+01	.53220470+01
.65275157+00	.12738858+01	.32056428+01	.73404692+01	.56121941+01
.65973283+00	.12749840+01	.31076908+01	.76495301+01	.59335636+01
.66671408+00	.12759135+01	.30084528+01	.79957364+01	.62920020+01

TABLE 73. (Concluded)

$$M_{\infty} = .14999996+01$$

$$\Theta_s = .17453292+00$$

Θ	M_1^*	ψ_1	x	r
.67369533+00	.12764729+01	.29075995-01	.83867054+01	.66949947+01
.68067659+00	.12774688+01	.28047264-01	.88323984+01	.71523085+01
.68765784+00	.12785071+01	.26993312-01	.93461331+01	.76769707+01
.69289378+00	.12793181+01	.26182540-01	.97868311+01	.81251518+01
.69812972+00	.12801611+01	.25350727-01	.10286286+02	.86311841+01
.70336469+00	.12810414+01	.24493799-01	.10858100+02	.92082825+01
.70859947+00	.12819648+01	.23606412-01	.11520968+02	.98745798+01
.71383425+00	.12829398+01	.22681810-01	.12301005+02	.10655348+02
.71906903+00	.12839775+01	.21710835-01	.13236165+02	.11587232+02
.72255888+00	.12847116+01	.21031640-01	.13973151+02	.12318805+02
.72604873+00	.12854865+01	.20321093-01	.14829086+02	.13165660+02
.72953858+00	.12863107+01	.19572243-01	.15839516+02	.14161904+02
.73302843+00	.12871957+01	.18775553-01	.17057272+02	.15358132+02
.73651829+00	.12881585+01	.17917022-01	.18565392+02	.16833709+02
.74000814+00	.12892253+01	.16974822-01	.20504743+02	.18722972+02
.74349799+00	.12904416+01	.15911296-01	.23142319+02	.21279929+02
.74698784+00	.12918994+01	.14649801-01	.27083364+02	.25078813+02
.74744381+00	.12921171+01	.14462508-01	.27761915+02	.25730663+02

$$.90571120+05 = \Delta S/R$$

$$.12332915+01 = P_s/P_{\infty}$$

$$.11340619+01 = \rho_s/\rho_{\infty}$$

$$.10874992+01 = T_s/T_{\infty}$$

TABLE 74. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 2.0$

u_s	M_∞	θ_s	θ_w	
.71883472+00	.19999904+01	.47453292+00	.54806478+00	
θ	M_1^*	ψ_1	χ	τ
.17453292+00	.14376425+01	.17453292+00	.28356408+01	.50000000+00
.18544122+00	.14377976+01	.16425608+00	.28773624+01	.53978326+00
.19634952+00	.14382081+01	.15509018+00	.29216162+01	.58114553+00
.20725783+00	.14388105+01	.14684676+00	.29685594+01	.62422084+00
.21816613+00	.14395591+01	.13937822+00	.30183747+01	.66915747+00
.22907443+00	.14402044+01	.13256708+00	.30712709+01	.71611980+00
.23911007+00	.14412908+01	.12679955+00	.31228616+01	.76127145+00
.24914571+00	.14422211+01	.12144705+00	.31774737+01	.80845138+00
.25918134+00	.14432000+01	.11645851+00	.32353469+01	.85783649+00
.26921698+00	.14442188+01	.11179062+00	.32967517+01	.90962431+00
.27925262+00	.14452710+01	.10740642+00	.33619951+01	.96403636+00
.28841559+00	.14462565+01	.10362418+00	.34252129+01	.10162199+01
.29757857+00	.14472626+01	.10003077+00	.34922226+01	.10710126+01
.30674154+00	.14482871+01	.96607491+00	.35633648+01	.11286546+01
.31590451+00	.14493283+01	.93337808+00	.36390253+01	.11894165+01
.32506749+00	.14503850+01	.90206832+00	.37196446+01	.12536054+01
.33335780+00	.14513539+01	.87482430+00	.37972769+01	.13149246+01
.34164811+00	.14523347+01	.84851667+00	.38796043+01	.13796285+01
.34993841+00	.14533273+01	.82306299+00	.39677103+01	.14480504+01
.35822872+00	.14543319+01	.79838619+00	.40615491+01	.15205707+01
.36651903+00	.14553489+01	.77441517+00	.41619561+01	.15976247+01
.37393668+00	.14562698+01	.75351108+00	.42579603+01	.16708194+01
.38135452+00	.14572017+01	.73307257+00	.43604153+01	.17484565+01
.38877197+00	.14581453+01	.71305607+00	.44700187+01	.18310096+01
.39618962+00	.14591014+01	.69341991+00	.45875762+01	.19190240+01
.40360726+00	.14600711+01	.67412224+00	.47140239+01	.20131325+01
.41015224+00	.14609389+01	.65734379+00	.48338485+01	.21018164+01
.41669722+00	.14618191+01	.64076968+00	.49623240+01	.21964086+01
.42324220+00	.14627127+01	.62437121+00	.51004714+01	.22975940+01
.42978719+00	.14636211+01	.60812026+00	.52494064+01	.24061728+01
.43633217+00	.14645457+01	.59198689+00	.54107803+01	.25230873+01
.44288448+00	.14653614+01	.57807602+00	.55617877+01	.26320136+01
.44767680+00	.14661916+01	.56420863+00	.57245633+01	.27488950+01
.45334912+00	.14670378+01	.55036280+00	.59006307+01	.28747423+01
.45902143+00	.14679016+01	.53651340+00	.60917985+01	.30107531+01
.46469375+00	.14687848+01	.52263394+00	.63002385+01	.31583622+01
.46949340+00	.14695489+01	.51084474+00	.64920350+01	.32935959+01
.47429306+00	.14703299+01	.49899288+00	.66999881+01	.34396300+01
.47909271+00	.14711296+01	.48705664+00	.69263921+01	.35979710+01
.48389236+00	.14719499+01	.47501054+00	.71740244+01	.37704394+01

TABLE 74. (Concluded)

$M_{\infty} = .19999904+01$		$\Theta_s = .17453292+00$		
Θ	M_1^*	ψ_1	x	r
.48869202+00	.14727932+01	.46282645-01	.74462793+01	.39592552+01
.49261898+00	.14735027+01	.45273472-01	.76902538+01	.41277971+01
.49654590+00	.14742319+01	.44251349-01	.79563265+01	.43109442+01
.50047272+00	.14749822+01	.43213092-01	.82479337+01	.45109307+01
.50439881+00	.14757562+01	.42155243-01	.85692583+01	.47304696+01
.50832489+00	.14765568+01	.41075237-01	.89256520+01	.49730301+01
.51137851+00	.14772001+01	.40217288-01	.92313329+01	.51803464+01
.51443213+00	.14778637+01	.39341226-01	.95662154+01	.54067491+01
.51748575+00	.14785499+01	.38444318-01	.99351937+01	.56553918+01
.52053937+00	.14792617+01	.37523374-01	.10344405+02	.59302222+01
.52359299+00	.14800026+01	.36574386-01	.10801688+02	.62362743+01
.52577415+00	.14805521+01	.35876788-01	.11163278+02	.64775416+01
.52795531+00	.14811205+01	.35160214-01	.11559240+02	.67410440+01
.53013647+00	.14817104+01	.34422122-01	.11995432+02	.70305265+01
.53231762+00	.14823245+01	.33659346-01	.12479257+02	.73507128+01
.53449878+00	.14829664+01	.32867953-01	.13020238+02	.77076713+01
.53580748+00	.14833667+01	.32377362-01	.13377316+02	.79427135+01
.53711617+00	.14837797+01	.31873427-01	.13762795+02	.81959695+01
.53842486+00	.14842069+01	.31354569-01	.14180791+02	.84700519+01
.53973356+00	.14846499+01	.30818999-01	.14636339+02	.87681551+01
.54104225+00	.14851107+01	.30264519-01	.15135689+02	.90942372+01
.54235095+00	.14855917+01	.29688366-01	.15686725+02	.94532878+01
.54365964+00	.14860960+01	.29087291-01	.16299604+02	.98517283+01
.54496834+00	.14866274+01	.28456815-01	.16987694+02	.10297997+02
.54627703+00	.14871910+01	.27791396-01	.17769110+02	.10803519+02
.54758573+00	.14877937+01	.27083389-01	.18669235+02	.11384281+02
.54880647+00	.14880259+01	.26811562-01	.19035229+02	.11619974+02

$$.84871426-04 = \Delta S/R$$

$$.13502548+01 = P_s/P_{\infty}$$

$$.11973831+01 = \rho_s/\rho_{\infty}$$

$$.11276715+01 = T_s/T_{\infty}$$

TABLE 75. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 2.5$

u_s	M_∞	θ_s	θ_w	
.78684954+00	.24999923+01	.17453292+00	.44559290+00	
θ	M_1^*	ψ_1	x	r
.17453292+00	.15736696+01	.17453292+00	.28356408+01	.50000000+00
.18238690+00	.15737600+01	.16701131+00	.28766266+01	.53055505+00
.19024087+00	.15740075+01	.16009145+00	.29198283+01	.56227026+00
.19809485+00	.15743829+01	.15369193+00	.29653894+01	.59523480+00
.20594883+00	.15748633+01	.14774557+00	.30134711+01	.62954683+00
.21380281+00	.15754312+01	.14219629+00	.30642546+01	.66531460+00
.22165678+00	.15760725+01	.13699680+00	.31179441+01	.70265893+00
.22951076+00	.15767761+01	.13210687+00	.31747696+01	.74171303+00
.23649208+00	.15774464+01	.12799208+00	.32281223+01	.77798352+00
.24347339+00	.15781540+01	.12407335+00	.32843622+01	.81583964+00
.25045470+00	.15788946+01	.12033196+00	.33437170+01	.85541084+00
.25743601+00	.15796650+01	.11675125+00	.34064438+01	.89684162+00
.26441733+00	.15804625+01	.11331631+00	.34728306+01	.94029341+00
.27139864+00	.15812850+01	.11001368+00	.35432022+01	.98594733+00
.27837995+00	.15821307+01	.10683121+00	.36179273+01	.10340077+01
.28448860+00	.15828890+01	.10413636+00	.36872110+01	.10782157+01
.29059725+00	.15836636+01	.10151811+00	.37604643+01	.11246170+01
.29670590+00	.15844542+01	.98970022+01	.38380451+01	.11734078+01
.30281455+00	.15852606+01	.96486121+01	.39203585+01	.12248094+01
.30892320+00	.15860827+01	.94066767+01	.40078636+01	.12790721+01
.31503185+00	.15869209+01	.91688480+01	.41010857+01	.13364810+01
.32114050+00	.15877754+01	.89364056+01	.42006270+01	.13973622+01
.32637648+00	.15885212+01	.87406013+01	.42915019+01	.14525928+01
.33161247+00	.15892799+01	.85476376+01	.43880309+01	.15109198+01
.33684845+00	.15900520+01	.83572034+01	.44907857+01	.15726503+01
.34208444+00	.15908382+01	.81689972+01	.46004246+01	.16381370+01
.34732042+00	.15916394+01	.79827070+01	.47177060+01	.17077852+01
.35255641+00	.15924565+01	.77980235+01	.48435094+01	.17820639+01
.35779239+00	.15932908+01	.76146185+01	.49788638+01	.18615203+01
.36215571+00	.15939999+01	.74625161+01	.50998226+01	.19321493+01
.36651903+00	.15947228+01	.73108599+01	.52290692+01	.20072509+01
.37088235+00	.15954604+01	.71594387+01	.53675520+01	.20873261+01
.37524568+00	.15962139+01	.70080135+01	.55163800+01	.21729591+01
.37960900+00	.15969847+01	.68563327+01	.56768566+01	.22648353+01
.38397232+00	.15977743+01	.67041248+01	.58505298+01	.23637667+01
.38833564+00	.15985846+01	.65510776+01	.60392513+01	.24707221+01
.39182627+00	.15992496+01	.64278349+01	.62025507+01	.25628404+01
.39531687+00	.15999312+01	.63036773+01	.63782724+01	.26615499+01
.39880747+00	.16006302+01	.61783500+01	.65680391+01	.27676943+01
.40229806+00	.16013483+01	.60515936+01	.67737895+01	.28822793+01

TABLE 75. (Concluded)

$$M_{\infty} = .24999923+01$$

$$\Theta_s = .17453292+00$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.40578866+00	.16020874+01	.59231218-01	.69978617+01	.30065154+01
.40927926+00	.16028500+01	.57926036-01	.72431083+01	.31418763+01
.41276985+00	.16036388+01	.56596391-01	.75130547+01	.32901790+01
.41538780+00	.16042496+01	.55580344-01	.77343461+01	.34112479+01
.41800575+00	.16048788+01	.54545600-01	.79742949+01	.35420439+01
.42062370+00	.16055285+01	.53489413-01	.82356904+01	.36839958+01
.42324165+00	.16062008+01	.52408569-01	.85219551+01	.38388537+01
.42585959+00	.16068988+01	.51299155-01	.88373541+01	.40087936+01
.42847754+00	.16076260+01	.50156467-01	.91872911+01	.41965674+01
.43109549+00	.16083867+01	.48974607-01	.95787328+01	.44057151+01
.43284079+00	.16089152+01	.48161376-01	.98671764+01	.45592651+01
.43458609+00	.16094631+01	.47324724-01	.10181569+02	.47261156+01
.43633138+00	.16100328+01	.46461441-01	.10526221+02	.49084456+01
.43807668+00	.16106273+01	.45567449-01	.10906585+02	.51090049+01
.43982198+00	.16112505+01	.44637784-01	.11329667+02	.53313228+01
.44156728+00	.16119070+01	.43666031-01	.11804689+02	.55800363+01
.44331258+00	.16126033+01	.42643782-01	.12344139+02	.58614120+01
.44505788+00	.16133477+01	.41559741-01	.12965514+02	.61842156+01
.44559290+00	.16135872+01	.41212771-01	.13176043+02	.62932879+01

$$.49213693-03 = \Delta S/R$$

$$.14938257+01 = P_s/P_{\infty}$$

$$.12720154+01 = \rho_s/\rho_{\infty}$$

$$.11743771+01 = T_s/T_{\infty}$$

TABLE 76. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 3.0$

u_s	M_∞	θ_s	θ_w	
.83275241+00	.29999978+01	.17453292+00	.38392805+00	
θ	M_1^*	ψ_1	x	r
.17453292+00	.16654736+01	.17453292+00	.28356408+01	.50000000+00
.18064157+00	.16655324+01	.16862705+00	.28752002+01	.52510476+00
.18675022+00	.16655966+01	.16309429+00	.29167275+01	.55112133+00
.19285887+00	.16659505+01	.15789164+00	.29603494+01	.57811502+00
.19896752+00	.16662817+01	.15298251+00	.30062065+01	.60615749+00
.20507617+00	.16666797+01	.14833544+00	.30544561+01	.63532771+00
.21118481+00	.16671362+01	.14392318+00	.31052731+01	.66571278+00
.21729346+00	.16676443+01	.13972194+00	.31588532+01	.69740925+00
.22340211+00	.16681983+01	.13571080+00	.32154156+01	.73052438+00
.22863810+00	.16687062+01	.13240987+00	.32664568+01	.76612819+00
.23387408+00	.16692420+01	.12922446+00	.33200419+01	.79694540+00
.23911007+00	.16698037+01	.12614504+00	.33763630+01	.82306844+00
.24434605+00	.16703895+01	.12316283+00	.34356335+01	.85659947+00
.24958204+00	.16709980+01	.12026981+00	.34980918+01	.89165223+00
.25481802+00	.16716283+01	.11745850+00	.35640046+01	.92835347+00
.26005401+00	.16722794+01	.11472195+00	.36336723+01	.96684524+00
.26528999+00	.16729507+01	.11205367+00	.37074329+01	.10072870+01
.26965331+00	.16735252+01	.10987782+00	.37723019+01	.10426074+01
.27451663+00	.16741134+01	.10774172+00	.38405277+01	.10795234+01
.27837995+00	.16747151+01	.10564209+00	.39123894+01	.11181653+01
.28274328+00	.16753305+01	.10357578+00	.39881991+01	.11586787+01
.28710660+00	.16759598+01	.10153968+00	.40683091+01	.12012267+01
.29146992+00	.16766032+01	.99530730+00	.41531145+01	.12459937+01
.29583324+00	.16772611+01	.97545937+00	.42430692+01	.12931883+01
.30019656+00	.16779339+01	.95582221+00	.43386870+01	.13430476+01
.30368721+00	.16784834+01	.94024416+00	.44196520+01	.13850346+01
.30717787+00	.16790432+01	.92476547+00	.45049601+01	.14290571+01
.31066853+00	.16796138+01	.90937030+00	.45949969+01	.14752917+01
.31415918+00	.16801958+01	.89404147+00	.46901981+01	.15239373+01
.31764984+00	.16807897+01	.87876171+00	.47910581+01	.15752193+01
.32114050+00	.16813962+01	.86351231+00	.48981415+01	.16293943+01
.32463115+00	.16820160+01	.84827434+00	.50120949+01	.16867558+01
.32812181+00	.16826501+01	.83302643+00	.51336647+01	.17476415+01
.33073980+00	.16833357+01	.82157098+00	.52303558+01	.17958514+01
.33335780+00	.16836303+01	.81008695+00	.53322331+01	.18464507+01
.33597576+00	.16841352+01	.79856608+00	.54397666+01	.18996508+01
.33859371+00	.16846506+01	.78699468+00	.55534921+01	.19556922+01
.34121165+00	.16851770+01	.77535961+00	.56740196+01	.20148905+01
.34382960+00	.16857152+01	.76364655+00	.58020478+01	.20774320+01
.34644755+00	.16862658+01	.75184029+00	.59383807+01	.21438023+01

TABLE 76. (Concluded)

$$M_{\infty} = .29999978+01$$

$$\Theta_s = .17453292+00$$

Θ	M_1^*	ψ_1	X	r
.34906550+00	.16868301+01	.73992323-01	.60839524+01	.22143752+01
.35081080+00	.16872143+01	.73190775-01	.61866641+01	.22639948+01
.35255609+00	.16876055+01	.72382793-01	.62943323+01	.23158604+01
.35430139+00	.16880040+01	.71567722-01	.64073693+01	.23701546+01
.35604669+00	.16884103+01	.70744775-01	.65262402+01	.24270834+01
.35779199+00	.16888250+01	.69913138-01	.66514696+01	.24868787+01
.35953729+00	.16892484+01	.69071908-01	.67836510+01	.25498026+01
.36128259+00	.16896814+01	.68220019-01	.69234620+01	.26161538+01
.36302789+00	.16901247+01	.67356341-01	.70716799+01	.26862743+01
.36390053+00	.16905504+01	.66919699-01	.71492161+01	.27228689+01
.36477318+00	.16909790+01	.66479605-01	.72291999+01	.27605577+01
.36564583+00	.16914106+01	.66035863-01	.73117679+01	.27994008+01
.36651848+00	.16918453+01	.65588340-01	.73970641+01	.28394612+01
.36739113+00	.16912832+01	.65136764-01	.74852471+01	.28808084+01
.36826378+00	.16915246+01	.64680953-01	.75764887+01	.29235176+01
.36913643+00	.16917695+01	.64220600-01	.76709754+01	.29676703+01
.37000908+00	.16920181+01	.63755430-01	.77689103+01	.30133553+01
.37088173+00	.16922707+01	.63285224-01	.78705172+01	.30606700+01
.37175438+00	.16925274+01	.62809590-01	.79760407+01	.31097214+01
.37262703+00	.16927884+01	.62328223-01	.80857493+01	.31606262+01
.37349968+00	.16930541+01	.61846776-01	.81999395+01	.32135137+01
.37437233+00	.16933245+01	.61346803-01	.83189397+01	.32685266+01
.37524498+00	.16936001+01	.60845852-01	.84431142+01	.33258231+01
.37611762+00	.16938811+01	.60337536-01	.85728700+01	.33855801+01
.37699027+00	.16941680+01	.59821181-01	.87086629+01	.34479950+01
.37786292+00	.16944609+01	.59296288-01	.88510041+01	.35132895+01
.37873557+00	.16947606+01	.58762133-01	.90004699+01	.35817128+01
.37960822+00	.16950673+01	.58218032-01	.91577199+01	.36535503+01
.38048087+00	.16953816+01	.57663083-01	.93235010+01	.37291245+01
.38135352+00	.16957042+01	.57096355-01	.94986756+01	.38088076+01
.38222617+00	.16960358+01	.56516763-01	.96842407+01	.38930292+01
.38309882+00	.16963771+01	.55923097-01	.98813574+01	.39822894+01
.38397205+00	.16967113+01	.55344567-01	.10080613+02	.40723115+01

$$.10247329+02 = \Delta S/R$$

$$.16616878+01 = P_s/P_{\infty}$$

$$.13562207+01 = \rho_s/\rho_{\infty}$$

$$.12261382+01 = T_s/T_{\infty}$$

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TABLE 77. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 4.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.88761230+00	.39999987+01	.17453292+00	.31519220+00	
\underline{e}	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.17453292+00	.17751913+01	.17453292+00	.28356408+01	.50000000+00
.17802358+00	.17752123+01	.17113945+00	.28659473+01	.51546529+00
.18151423+00	.17752726+01	.16781310+00	.28973525+01	.53176365+00
.18500489+00	.17753688+01	.16463383+00	.29299116+01	.54831801+00
.18849555+00	.17754977+01	.16156263+00	.29636849+01	.56535310+00
.19198620+00	.17756570+01	.15859130+00	.29987372+01	.58289541+00
.19547686+00	.17758441+01	.15571244+00	.30351392+01	.60097369+00
.19896752+00	.17760570+01	.15291923+00	.30729674+01	.61961886+00
.20245817+00	.17762942+01	.15020547+00	.31123051+01	.63886441+00
.20594883+00	.17765539+01	.14756542+00	.31532428+01	.65874665+00
.20943949+00	.17768349+01	.14499377+00	.31958794+01	.67930505+00
.21293014+00	.17771360+01	.14248560+00	.32403230+01	.70058253+00
.21642080+00	.17774562+01	.14003630+00	.32866923+01	.72262606+00
.21991146+00	.17777946+01	.13764157+00	.33351173+01	.74548694+00
.22340211+00	.17781506+01	.13529733+00	.33857411+01	.76922139+00
.22689277+00	.17785234+01	.13299974+00	.34387215+01	.79389128+00
.22951076+00	.17788139+01	.13130495+00	.34861078+01	.81300484+00
.23212875+00	.17791135+01	.12963284+00	.35229984+01	.83280139+00
.23474675+00	.17794220+01	.12798198+00	.35674808+01	.85318425+00
.23736474+00	.17797393+01	.12635097+00	.36136497+01	.87423371+00
.23998273+00	.17800654+01	.12473841+00	.36616082+01	.89598966+00
.24260072+00	.17804003+01	.12314296+00	.37114689+01	.91849552+00
.24521872+00	.17807440+01	.12156328+00	.37633541+01	.94179842+00
.24783671+00	.17810964+01	.11999804+00	.38173983+01	.96595009+00
.25045470+00	.17814577+01	.11844594+00	.38737491+01	.99100699+00
.25307269+00	.17818279+01	.11690564+00	.39325683+01	.10170311+01
.25569069+00	.17822073+01	.11537583+00	.39940350+01	.10440907+01
.25830868+00	.17825958+01	.11385515+00	.40583470+01	.10722613+01
.26092667+00	.17829939+01	.11234222+00	.41257236+01	.11016261+01
.26354466+00	.17834018+01	.11083565+00	.41964098+01	.11322780+01
.26616266+00	.17838197+01	.10933398+00	.42706790+01	.11643205+01
.26790798+00	.17841041+01	.10833484+00	.43223325+01	.11865113+01
.26965331+00	.17843933+01	.10733674+00	.43758143+01	.12094091+01
.27139864+00	.17846873+01	.10633920+00	.44312329+01	.12330547+01
.27314397+00	.17849864+01	.10534172+00	.44887071+01	.12574928+01
.27488930+00	.17852907+01	.10434377+00	.45483654+01	.12827714+01
.27663463+00	.17856004+01	.10334482+00	.46103492+01	.13089435+01
.27837993+00	.17859162+01	.10234437+00	.46748113+01	.13360663+01
.28012523+00	.17862381+01	.10134178+00	.47419215+01	.13642030+01
.28187053+00	.17865659+01	.10033635+00	.48118666+01	.13934233+01

TABLE 77. (Concluded)

$$M_{\infty} = .39999987 + 01$$

$$\Theta_s = .17453292 + 00$$

Θ	M_1^*	ψ_1	x	r
.28361583+00	.17869001+01	.99327419-01	.48848523+01	.14238036+01
.28536113+00	.17872410+01	.98314196-01	.49611068+01	.14554288+01
.28710642+00	.17875888+01	.97295996-01	.50408821+01	.14883922+01
.28885172+00	.17879439+01	.96271873-01	.51244622+01	.15227989+01
.29059702+00	.17883068+01	.95240951-01	.52121620+01	.15587652+01
.29234232+00	.17886779+01	.94202254-01	.53043379+01	.15964225+01
.29321497+00	.17888666+01	.93079603-01	.53522278+01	.16159308+01
.29408762+00	.17890576+01	.91915460-01	.54013914+01	.16359187+01
.29496027+00	.17892509+01	.90627086-01	.54518869+01	.16564076+01
.29583292+00	.17894466+01	.89209689-01	.55037777+01	.16774209+01
.29670557+00	.17896448+01	.87915638-01	.55571309+01	.16989829+01
.29757822+00	.17898455+01	.86602773-01	.56120185+01	.17211202+01
.29845086+00	.17900489+01	.85248837-01	.56685174+01	.17438609+01
.29932351+00	.17902550+01	.83944560-01	.57267108+01	.17672354+01
.30019616+00	.17904640+01	.82693991-01	.57866876+01	.17912760+01
.30106881+00	.17906760+01	.81488826-01	.58485445+01	.18160182+01
.30194146+00	.17908910+01	.80294368-01	.59123852+01	.18414997+01
.30281411+00	.17911093+01	.79117355-01	.59783229+01	.18677616+01
.30368676+00	.17913309+01	.77917198-01	.60464794+01	.18948482+01
.30455941+00	.17915561+01	.76660345-01	.61169888+01	.19228003+01
.30543206+00	.17917850+01	.75402963-01	.61899949+01	.19516494+01
.30630471+00	.17920177+01	.74154501-01	.62656560+01	.19813628+01
.30717736+00	.17922545+01	.72918640-01	.63441470+01	.20124778+01
.30805001+00	.17924955+01	.71692764-01	.64256579+01	.20445079+01
.30892266+00	.17927411+01	.70483674-01	.65103990+01	.20777289+01
.30979531+00	.17929914+01	.69286745-01	.65986027+01	.21122247+01
.31066795+00	.17932467+01	.68104532-01	.66905276+01	.21480886+01
.31154060+00	.17935073+01	.66930516-01	.67864614+01	.21854239+01
.31241325+00	.17937737+01	.65761985-01	.68867257+01	.22243466+01
.31328590+00	.17940460+01	.64605567-01	.69916817+01	.22649861+01
.31415855+00	.17943249+01	.63460416-01	.71017367+01	.23074885+01
.31503120+00	.17946106+01	.62323998-01	.72173544+01	.23520200+01
.3159220+00	.17946642+01	.79116091-01	.72393343+01	.23604723+01

$$.10733038-01 = \Delta S/R$$

$$.20703033+01 = P_s/P_{\infty}$$

$$.15408204+01 = \rho_s/\rho_{\infty}$$

$$.13436370+01 = T_s/T_{\infty}$$

TABLE 78. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 5.0$

u_s	M_∞	θ_s	θ_w	
.91728915+00	.49999989+01	.17453292+00	.27919680+00	
θ	M_1^*	ψ_1	x	r
.17453292+00	.18345439+01	.17453292+00	.28356408+01	.50000000+00
.17862358+00	.18345656+01	.17110919+00	.28729070+01	.51691751+00
.18151423+00	.18346279+01	.16781112+00	.29118031+01	.53441583+00
.18500489+00	.18347275+01	.16462744+00	.29524341+01	.55253298+00
.18849555+00	.18348613+01	.16154805+00	.29949150+01	.57131054+00
.19198620+00	.18350266+01	.15856385+00	.30393735+01	.59079432+00
.19547686+00	.18352214+01	.15566656+00	.30859506+01	.61103461+00
.19853118+00	.18354145+01	.15319677+00	.31285660+01	.62940902+00
.20158551+00	.18356277+01	.15078304+00	.31730386+01	.64844605+00
.20463983+00	.18358600+01	.14842697+00	.32194958+01	.66819058+00
.20769416+00	.18361106+01	.14610644+00	.32680779+01	.68869195+00
.21074848+00	.18363789+01	.14383554+00	.33189404+01	.71000450+00
.21380281+00	.18366644+01	.14160454+00	.33722556+01	.73218836+00
.21642080+00	.18369225+01	.13972131+00	.34200509+01	.75194684+00
.21953879+00	.18371926+01	.13786257+00	.34699225+01	.77244069+00
.22165678+00	.18374747+01	.13602621+00	.35220175+01	.79372080+00
.22427478+00	.18377687+01	.13421013+00	.35764988+01	.81584329+00
.22689277+00	.18380746+01	.13241226+00	.36335469+01	.83887025+00
.22951076+00	.18383921+01	.13063054+00	.36933624+01	.86287051+00
.23169242+00	.18386660+01	.12915662+00	.37454837+01	.88366926+00
.23387408+00	.18389483+01	.12769126+00	.37998261+01	.90524612+00
.23605574+00	.18392390+01	.12623324+00	.38565482+01	.92765506+00
.23823740+00	.18395385+01	.12478130+00	.39158253+01	.95095564+00
.24041906+00	.18398468+01	.12333416+00	.39778524+01	.97521390+00
.24260072+00	.18401641+01	.12189097+00	.40428459+01	.10005030+01
.24434605+00	.18404247+01	.12073708+00	.40971382+01	.10215311+01
.24609138+00	.18406915+01	.11958426+00	.41536208+01	.10433172+01
.24783671+00	.18409646+01	.11843125+00	.42124447+01	.10659122+01
.24958203+00	.18412444+01	.11727725+00	.42737756+01	.10893715+01
.25132733+00	.18415315+01	.11612143+00	.43377975+01	.11137567+01
.25307263+00	.18418257+01	.11496284+00	.44047155+01	.11391363+01
.25438160+00	.18420511+01	.11409151+00	.44669405+01	.11588689+01
.25569057+00	.18422808+01	.11321762+00	.45110277+01	.11792386+01
.25699955+00	.18425149+01	.11234073+00	.45670918+01	.12002833+01
.25830852+00	.18427536+01	.11146032+00	.46252587+01	.12220450+01
.25961750+00	.18429970+01	.11057590+00	.46856661+01	.12445692+01
.26092647+00	.18432455+01	.10968690+00	.47484645+01	.12679056+01
.26179912+00	.18434140+01	.10909139+00	.47917401+01	.12839415+01
.26267177+00	.18435849+01	.10849340+00	.48362058+01	.13003804+01
.26354442+00	.18437582+01	.10789271+00	.48819181+01	.13172410+01

TABLE 78. (Concluded)

$$M_{\infty} = .49999989+01$$

$$\Theta_s = .17453292+00$$

Θ	M_1^*	ψ_1	x	r
.26441707+00	.18439340+01	.10728912+00	.49289392+01	.13345437+01
.26528972+00	.18441125+01	.10668242+00	.49773339+01	.13523099+01
.26616237+00	.18442937+01	.10607237+00	.50271738+01	.13705630+01
.26659869+00	.18443854+01	.10576601+00	.50526589+01	.13798798+01
.26703501+00	.18444777+01	.10545871+00	.50785344+01	.13893278+01
.26747134+00	.18445708+01	.10515045+00	.51048108+01	.13989105+01
.26790766+00	.18446646+01	.10484120+00	.51314984+01	.14086314+01
.26834399+00	.18447592+01	.10453090+00	.51586091+01	.14184942+01
.26878031+00	.18448546+01	.10421954+00	.51861545+01	.14285028+01
.26921664+00	.18449507+01	.10390706+00	.52141469+01	.14386611+01
.26965296+00	.18450476+01	.10359344+00	.52425985+01	.14489732+01
.27008929+00	.18451454+01	.10327861+00	.52715234+01	.14594437+01
.27052561+00	.18452440+01	.10296256+00	.53009353+01	.14700770+01
.27096194+00	.18453435+01	.10264523+00	.53308483+01	.14808778+01
.27139826+00	.18454438+01	.10232658+00	.53612781+01	.14918511+01
.27183459+00	.18455450+01	.10200655+00	.53922404+01	.15030020+01
.27227091+00	.18456472+01	.10168511+00	.54237517+01	.15143360+01
.27270724+00	.18457503+01	.10136220+00	.54558294+01	.15258587+01
.27314356+00	.18458543+01	.10103776+00	.54884908+01	.15375756+01
.27357988+00	.18459594+01	.10071175+00	.55217563+01	.15494935+01
.27401621+00	.18460654+01	.10038410+00	.55556451+01	.15616185+01
.27445253+00	.18461725+01	.10005475+00	.55890177+01	.15739573+01
.27488886+00	.18462806+01	.99723674+01	.56253766+01	.15865172+01
.27532518+00	.18463898+01	.99396730+01	.56612656+01	.15993059+01
.27576151+00	.18465001+01	.99055916+01	.56978675+01	.16123308+01
.27619783+00	.18466116+01	.98719131+01	.57352085+01	.16256003+01
.27663415+00	.18467243+01	.98380005+01	.57733156+01	.16391233+01
.27707048+00	.18468382+01	.98039366+01	.58122174+01	.16529088+01
.27750681+00	.18469533+01	.97696230+01	.58519434+01	.16669565+01
.27794313+00	.18470697+01	.97350784+01	.58925260+01	.16813067+01
.27837946+00	.18471875+01	.97002987+01	.59339982+01	.16959402+01
.27881578+00	.18473066+01	.96652698+01	.59763966+01	.17108787+01
.27919680+00	.18474118+01	.96344702+01	.60142075+01	.17241825+01

$$.33271655+01 = \Delta S/R$$

$$.25781175+01 = P_s/P_{\infty}$$

$$.17417934+01 = \rho_s/\rho_{\infty}$$

$$.14801512+01 = T_s/T_{\infty}$$

TABLE 79. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 6.0$

u_s	M_∞	θ_s	θ_w	
.93492117+00	.59999657+01	.17453292+00	.25785279+00	
θ	M_1^*	ψ_1	x	r
.17453292+00	.18698073+01	.17453292+00	.28356408+01	.50000000+00
.17715091+00	.18698198+01	.17195276+00	.28679665+01	.51344520+00
.17976891+00	.18698562+01	.16944431+00	.29015001+01	.52729189+00
.18238690+00	.18699149+01	.16700202+00	.29363093+01	.54156273+00
.18500489+00	.18699946+01	.16462085+00	.29724679+01	.55628220+00
.18762288+00	.18700940+01	.16229611+00	.30100561+01	.57147697+00
.19024087+00	.18702121+01	.16002349+00	.30491618+01	.58717596+00
.19285887+00	.18703480+01	.15779897+00	.30898809+01	.60341074+00
.19547686+00	.18705008+01	.15561879+00	.31323186+01	.62021573+00
.19765852+00	.18706407+01	.15383328+00	.31690793+01	.63468257+00
.19984018+00	.18707915+01	.15207414+00	.32071863+01	.64959522+00
.20202184+00	.18709530+01	.15033950+00	.32467190+01	.66497942+00
.20420350+00	.18711250+01	.14862756+00	.32877636+01	.68086302+00
.20638516+00	.18713072+01	.14693655+00	.33304137+01	.69727631+00
.20856682+00	.18714995+01	.14526478+00	.33747723+01	.71425238+00
.21074848+00	.18717018+01	.14361056+00	.34209517+01	.73182727+00
.21293014+00	.18719139+01	.14197226+00	.34690752+01	.75004051+00
.21467547+00	.18720907+01	.14067197+00	.35090648+01	.76509976+00
.21642080+00	.18722737+01	.13937998+00	.35504613+01	.78061942+00
.21816613+00	.18724631+01	.13809545+00	.35933472+01	.79662678+00
.21991146+00	.18726588+01	.13681755+00	.36370120+01	.81314719+00
.22165678+00	.18728608+01	.13554541+00	.36839534+01	.83021463+00
.22340211+00	.18730694+01	.13427817+00	.37310780+01	.84786174+00
.22514744+00	.18732844+01	.13301494+00	.37817024+01	.86612532+00
.22689277+00	.18735062+01	.13175482+00	.38336542+01	.88504557+00
.22820177+00	.18736769+01	.13081119+00	.38738577+01	.89969313+00
.22951076+00	.18738516+01	.12986838+00	.39154452+01	.91475513+00
.23081976+00	.18740301+01	.12892595+00	.39583066+01	.93025340+00
.23212875+00	.18742127+01	.12798346+00	.40027572+01	.94621154+00
.23343775+00	.18743995+01	.12704047+00	.40486385+01	.96265497+00
.23474672+00	.18745911+01	.12609653+00	.40961182+01	.97961093+00
.23605570+00	.18747870+01	.12515111+00	.41452935+01	.99710971+00
.23736467+00	.18749874+01	.12420369+00	.41962696+01	.10151840+01
.23823732+00	.18751235+01	.12357069+00	.42313100+01	.10275705+01
.23910997+00	.18752618+01	.12293638+00	.42672381+01	.10402399+01
.23998262+00	.18754022+01	.12230058+00	.43040929+01	.10532041+01
.24085527+00	.18755449+01	.12166311+00	.43419154+01	.10664759+01
.24172792+00	.18756898+01	.12102378+00	.43807502+01	.10800690+01
.24260057+00	.18758370+01	.12038237+00	.44206447+01	.10939780+01
.24347322+00	.18759846+01	.11973869+00	.44616492+01	.11082784+01

TABLE 79. (Concluded)

$$M_{\infty} = .59999657+01$$

$$\Theta_s = .17453292+00$$

Θ	M_1^*	ψ_1	x	r
.24434587+00	.18761387+01	.11909250+00	.45038175+01	.11229267+01
.24478219+00	.18762157+01	.11876839+00	.45253563+01	.11303944+01
.24521852+00	.18762933+01	.11844356+00	.45472082+01	.11379610+01
.24565484+00	.18763716+01	.11811798+00	.45693809+01	.11456286+01
.24609116+00	.18764506+01	.11779163+00	.45918832+01	.11534000+01
.24652749+00	.18765302+01	.11746446+00	.46147233+01	.11612779+01
.24696381+00	.18766105+01	.11713644+00	.46379100+01	.11692647+01
.24740014+00	.18766915+01	.11680754+00	.46614524+01	.11773634+01
.24783646+00	.18767732+01	.11647772+00	.46853608+01	.11855771+01
.24827279+00	.18768557+01	.11614694+00	.47096443+01	.11939085+01
.24870911+00	.18769389+01	.11581516+00	.47343138+01	.12023610+01
.24914544+00	.18770228+01	.11548235+00	.47593799+01	.12109378+01
.24958176+00	.18771075+01	.11514847+00	.47848539+01	.12196423+01
.25001809+00	.18771930+01	.11481347+00	.48107476+01	.12284782+01
.25045441+00	.18772793+01	.11447731+00	.48370730+01	.12374491+01
.25089074+00	.18773664+01	.11413993+00	.48638430+01	.12465589+01
.25132706+00	.18774543+01	.11380130+00	.48910708+01	.12558117+01
.25176338+00	.18775431+01	.11346136+00	.49187707+01	.12652117+01
.25219971+00	.18776327+01	.11312005+00	.49469566+01	.12747633+01
.25263603+00	.18777232+01	.11277733+00	.49756441+01	.12844711+01
.25307236+00	.18778147+01	.11243314+00	.50048491+01	.12943399+01
.25350868+00	.18779070+01	.11208743+00	.50345884+01	.13043749+01
.25394501+00	.18780003+01	.11174013+00	.50648792+01	.13145813+01
.25438133+00	.18780946+01	.11139117+00	.50957401+01	.13249646+01
.25481766+00	.18781899+01	.11104051+00	.51271901+01	.13355307+01
.25525398+00	.18782862+01	.11068807+00	.51592497+01	.13462857+01
.25569031+00	.18783835+01	.11033377+00	.51919398+01	.13572360+01
.25612663+00	.18784819+01	.10997754+00	.52252835+01	.13683884+01
.25656296+00	.18785814+01	.10961932+00	.52593036+01	.13797500+01
.25699928+00	.18786821+01	.10925901+00	.52940251+01	.13913281+01
.25743560+00	.18787839+01	.10889652+00	.53294750+01	.14031310+01
.25787192+00	.18788864+01	.10854783+00	.53664075+01	.14146337+01

$$.72970927-01 = \Delta S/R$$

$$.31874803+01 = P_s/P_{\infty}$$

$$.19470867+01 = \rho_s/\rho_{\infty}$$

$$.16370494+01 = T_s/T_{\infty}$$

TABLE 80. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 8.0$

u_s	M_∞	θ_s	θ_w	
.95377129+00	.79999444+01	.17453292+00	.23479788+00	
θ	M^*_1	ψ_1	x	r
.17453292+00	.19075068+01	.17453292+00	.28356408+01	.50000000+00
.17584192+00	.19075100+01	.17323348+00	.28552613+01	.50731420+00
.17715091+00	.19075196+01	.17195254+00	.28753178+01	.51476128+00
.17845991+00	.19075352+01	.17068921+00	.28958246+01	.52234560+00
.17976891+00	.19075568+01	.16944263+00	.29167974+01	.530037188+00
.18107790+00	.19075840+01	.16821199+00	.29382527+01	.53794511+00
.18238690+00	.19076160+01	.16699653+00	.29602077+01	.54597046+00
.18369589+00	.19076549+01	.16579549+00	.29826806+01	.55415339+00
.18500489+00	.19076983+01	.16460816+00	.30056909+01	.56249972+00
.18631389+00	.19077469+01	.16343387+00	.30292586+01	.57101546+00
.18762288+00	.19078003+01	.16227194+00	.30534053+01	.57970706+00
.18893188+00	.19078587+01	.16112173+00	.30781537+01	.58858125+00
.19024087+00	.19079218+01	.15998264+00	.31035279+01	.59764523+00
.19154987+00	.19079897+01	.15885404+00	.31295534+01	.60690650+00
.19285887+00	.19080621+01	.15773536+00	.31562572+01	.61637311+00
.19416786+00	.19081390+01	.15662602+00	.31836680+01	.62605350+00
.19547686+00	.19082205+01	.15552546+00	.32118166+01	.63595674+00
.19678586+00	.19083063+01	.15443312+00	.32407350+01	.64609232+00
.19809485+00	.19083965+01	.15334847+00	.32704581+01	.65647043+00
.19940385+00	.19084911+01	.15227095+00	.33010226+01	.66710187+00
.20071284+00	.19085900+01	.15120004+00	.33324681+01	.67799823+00
.20202184+00	.19086931+01	.15013522+00	.33648365+01	.68917176+00
.20333084+00	.19088005+01	.14907594+00	.33981730+01	.70063563+00
.20463983+00	.19089122+01	.14802167+00	.34325265+01	.71240407+00
.20594883+00	.19090282+01	.14697189+00	.34679484+01	.72449207+00
.20725783+00	.19091485+01	.14592605+00	.35044954+01	.73691603+00
.20856683+00	.19092731+01	.14489375+00	.35422915+01	.74963938+00
.20987583+00	.19094020+01	.14387402+00	.35812099+01	.76284291+00
.21118483+00	.19095364+01	.14286634+00	.36212099+01	.77682603+00
.21249381+00	.19096731+01	.14187109+00	.36622537+01	.79169000+00
.21380281+00	.19098139+01	.14088833+00	.37044070+01	.80743416+00
.21511180+00	.19099583+01	.14003918+00	.37476233+01	.82406372+00
.21642080+00	.19101062+01	.13931313+00	.37919018+01	.84158158+00
.21772978+00	.19102577+01	.13863333+00	.38372665+01	.85998254+00
.21903878+00	.19104130+01	.13799423+00	.38837449+01	.87928672+00
.22034778+00	.19105721+01	.13739982+00	.39313041+01	.89944444+00

TABLE 80. (Concluded)

$M_{\infty} = .79999444+01$			$\Theta_s = .17453292+00$	
$\underline{\Theta}$	$\underline{M^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.22034773+00	.19105994+01	.13555799+00	.39479847+01	.88428764+00
.22122038+00	.19107136+01	.13486380+00	.39839299+01	.89599050+00
.22209303+00	.19108301+01	.13416800+00	.40208863+01	.90798907+00
.22296568+00	.19109490+01	.13347033+00	.40589035+01	.92029738+00
.22383833+00	.19110705+01	.13277054+00	.40980353+01	.93293069+00
.22471097+00	.19111945+01	.13206833+00	.41383388+01	.94590516+00
.22558362+00	.19113211+01	.13136341+00	.41798762+01	.95923831+00
.22645627+00	.19114504+01	.13065546+00	.42227142+01	.97294900+00
.22732892+00	.19115825+01	.12994415+00	.42669250+01	.98705752+00
.22820157+00	.19117175+01	.12922912+00	.43125875+01	.10015661+01
.22907422+00	.19118555+01	.12851001+00	.43597864+01	.10165585+01
.22995105+00	.19119257+01	.12814879+00	.43839905+01	.10242191+01
.22994687+00	.19119966+01	.12778690+00	.44086145+01	.10320007+01
.23038319+00	.19120684+01	.12742278+00	.44336710+01	.10399069+01
.23081952+00	.19121409+01	.12705786+00	.44591734+01	.10479413+01
.23125584+00	.19122143+01	.12669161+00	.44851359+01	.10561080+01
.23169217+00	.19122885+01	.12632394+00	.45115736+01	.10644111+01
.23212849+00	.19123637+01	.12595480+00	.45385014+01	.10728548+01
.23256482+00	.19124397+01	.12558413+00	.45659364+01	.10814440+01
.23300114+00	.19125167+01	.12521185+00	.45938951+01	.10901831+01
.23343747+00	.19125945+01	.12483788+00	.46223959+01	.10990773+01
.23387379+00	.19126733+01	.12446217+00	.46514575+01	.11081319+01
.23431012+00	.19127532+01	.12408462+00	.46810999+01	.11173523+01
.23474644+00	.19128340+01	.12370516+00	.47113440+01	.11267444+01
.23479788+00	.19128436+01	.12366029+00	.47149504+01	.11278633+01

$$.20295519+00 = \Delta S/R$$

$$.47175853+01 = P_s/P_{\infty}$$

$$.23386530+01 = \rho_s/\rho_{\infty}$$

$$.20172233+01 = T_s/T_{\infty}$$

TABLE 81. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 10.0$

u_s	M_∞	θ_s	θ_w	
.96303146+00	.99999999+01	.47453292+00	.22328402+00	
θ	M_1^*	ψ_1	x	r
.17453292+00	.19260268+01	.17453292+00	.28356408+01	.50000000+00
.17540558+00	.19260283+01	.17366452+00	.28504454+01	.50517561+00
.17627825+00	.19260326+01	.17280444+00	.28654958+01	.51042252+00
.17715091+00	.19260397+01	.17195235+00	.28807980+01	.51574240+00
.17802358+00	.19260496+01	.17110398+00	.28963587+01	.52113714+00
.17889624+00	.19260621+01	.17027101+00	.29121845+01	.52660871+00
.17976891+00	.19260773+01	.16944117+00	.29282826+01	.53215911+00
.18064157+00	.19260950+01	.16861819+00	.29446605+01	.53779046+00
.18151423+00	.19261153+01	.16780180+00	.29613257+01	.54350493+00
.18238690+00	.19261380+01	.16699175+00	.29782864+01	.54930483+00
.18325956+00	.19261632+01	.16618778+00	.29955506+01	.55519245+00
.18413223+00	.19261907+01	.16538965+00	.30131273+01	.56117031+00
.18500489+00	.19262206+01	.16459712+00	.30310256+01	.56724098+00
.18587755+00	.19262528+01	.16380996+00	.30492547+01	.57340708+00
.18675022+00	.19262873+01	.16302793+00	.30678246+01	.57967142+00
.18762288+00	.19263241+01	.16225082+00	.30867459+01	.58603697+00
.18849555+00	.19263631+01	.16147840+00	.31060290+01	.59250667+00
.18936821+00	.19264043+01	.16071046+00	.31256853+01	.59908371+00
.19024087+00	.19264477+01	.15994678+00	.31457265+01	.60577139+00
.19111354+00	.19264933+01	.15918716+00	.31661649+01	.61257315+00
.19198620+00	.19265413+01	.15843138+00	.31870137+01	.61949266+00
.19285887+00	.19265908+01	.15767924+00	.32082863+01	.62653366+00
.19373153+00	.19266428+01	.15693054+00	.32299971+01	.63370017+00
.19460420+00	.19266968+01	.15618507+00	.32521607+01	.64099628+00
.19547686+00	.19267530+01	.15544262+00	.32747931+01	.64842642+00
.19634952+00	.19268112+01	.15470301+00	.32979104+01	.65599509+00
.19722219+00	.19268716+01	.15396602+00	.33215304+01	.66370720+00
.19809485+00	.19269340+01	.15323145+00	.33456711+01	.67156774+00
.19896752+00	.19269985+01	.15249910+00	.33703518+01	.67958205+00
.19984018+00	.19270651+01	.15176877+00	.33955929+01	.68775578+00
.20071284+00	.19271338+01	.15104025+00	.34214157+01	.69609480+00
.20158551+00	.19272045+01	.15031333+00	.34478429+01	.70460540+00
.20245817+00	.19272774+01	.14958780+00	.34748985+01	.71329415+00
.20333084+00	.19273525+01	.14886345+00	.35026078+01	.72216801+00
.20420350+00	.19274296+01	.14814007+00	.35309981+01	.73123445+00
.20507617+00	.19275089+01	.14741742+00	.35600974+01	.74050123+00
.20594883+00	.19275904+01	.14669529+00	.35899363+01	.74997666+00
.20682149+00	.19276740+01	.14597345+00	.36205471+01	.75966963+00
.20769416+00	.19277599+01	.14525165+00	.36519642+01	.76958947+00
.20856682+00	.19278480+01	.14452965+00	.36842239+01	.77974614+00

TABLE 81. (Concluded)

$$M_{\infty} = .99999970+01$$

$$\Theta_s = .17453292+00$$

Θ	M_1^*	ψ_1	\bar{x}	\bar{r}
.20943947+00	.19279389+01	.14386722+00	.37173653+01	.79015023+00
.21031212+00	.19280320+01	.14308408+00	.37514305+01	.80081323+00
.21118477+00	.19281275+01	.14235995+00	.37864648+01	.81174743+00
.21205742+00	.19282254+01	.14163457+00	.38225157+01	.82296576+00
.21293007+00	.19283258+01	.14090762+00	.38596353+01	.83448227+00
.21380272+00	.19284286+01	.14017881+00	.38978792+01	.84631206+00
.21467537+00	.19285342+01	.13944781+00	.39373075+01	.85847131+00
.21554802+00	.19286423+01	.13871427+00	.39779848+01	.87097751+00
.21642067+00	.19287532+01	.13797786+00	.40199813+01	.88384952+00
.21685699+00	.19288696+01	.13760845+00	.40414975+01	.89042899+00
.21729331+00	.19288668+01	.13723817+00	.40633726+01	.89710773+00
.21772964+00	.19289247+01	.13686698+00	.40856173+01	.90388862+00
.21816596+00	.19289834+01	.13649482+00	.41082426+01	.91077461+00
.21860229+00	.19290428+01	.13612163+00	.41312596+01	.91776871+00
.21903861+00	.19291030+01	.13574736+00	.41546806+01	.92487416+00
.21947494+00	.19291639+01	.13537195+00	.41785180+01	.93209434+00
.21991126+00	.19292256+01	.13499534+00	.42027851+01	.93943276+00
.22034759+00	.19292882+01	.13461747+00	.42274960+01	.94689323+00
.22078391+00	.19293516+01	.13423827+00	.42526646+01	.95447940+00
.22122024+00	.19294158+01	.13385768+00	.42783067+01	.96219557+00
.22165656+00	.19294808+01	.13347562+00	.43044378+01	.97004578+00
.22209289+00	.19295468+01	.13309203+00	.43310747+01	.97803460+00
.22252921+00	.19296136+01	.13270681+00	.43582349+01	.98616663+00
.22296553+00	.19296813+01	.13231991+00	.43859375+01	.99444696+00
.22328402+00	.19297314+01	.13203638+00	.44065114+01	.10005874+01

$$.38479304+00 = \Delta S/R$$

$$.66695741+01 = P_s/P_{\infty}$$

$$.26767116+01 = \rho_s/\rho_{\infty}$$

$$.24917045+01 = T_s/T_{\infty}$$

TABLE 82. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 12.5$

u_s	M_∞	θ_s	θ_w	
.96916698+00	.12499999+02	.17453292+00	.21555177+00	
θ	M_1^*	ψ_1	x	r
.17453292+00	.19382976+01	.17453292+00	.28356408+01	.50000000+00
.17540558+00	.19382991+01	.17366451+00	.28520261+01	.50545575+00
.17627825+00	.19383034+01	.17280438+00	.28687111+01	.51099525+00
.17715091+00	.19383106+01	.17195217+00	.28857044+01	.51662077+00
.17802358+00	.19383206+01	.17110754+00	.29030146+01	.52233474+00
.17889624+00	.19383332+01	.17027016+00	.29206515+01	.52813978+00
.17976891+00	.19383485+01	.16943973+00	.29386245+01	.53403855+00
.18064157+00	.19383663+01	.16861591+00	.29569441+01	.54003385+00
.18151423+00	.19383867+01	.16779844+00	.29756211+01	.54612862+00
.18238690+00	.19384096+01	.16698699+00	.29946667+01	.55232595+00
.18325956+00	.19384350+01	.16618130+00	.30140924+01	.55862895+00
.18413223+00	.19384628+01	.16538109+00	.30339107+01	.56504104+00
.18500489+00	.19384930+01	.16458608+00	.30541347+01	.57156574+00
.18587755+00	.19385256+01	.16379601+00	.30747776+01	.57820662+00
.18675022+00	.19385605+01	.16301061+00	.30958539+01	.58496761+00
.18762288+00	.19385977+01	.16222963+00	.31173784+01	.59185275+00
.18849555+00	.19386372+01	.16145282+00	.31393669+01	.59886622+00
.18936821+00	.19386790+01	.16067991+00	.31618359+01	.60601252+00
.19024087+00	.19387231+01	.15991067+00	.31848028+01	.61329629+00
.19111354+00	.19387693+01	.15914484+00	.32082860+01	.62072252+00
.19198620+00	.19388178+01	.15838218+00	.32323048+01	.62829636+00
.19285887+00	.19388686+01	.15762245+00	.32568797+01	.63602327+00
.19373153+00	.19389215+01	.15686538+00	.32820322+01	.64390906+00
.19460420+00	.19389767+01	.15611075+00	.33077854+01	.65195984+00
.19547686+00	.19390341+01	.15535830+00	.33341632+01	.66018204+00
.19591319+00	.19390636+01	.15498281+00	.33475944+01	.66435953+00
.19634952+00	.19390937+01	.15460777+00	.33611916+01	.66858251+00
.19678586+00	.19391244+01	.15423316+00	.33749581+01	.67285183+00
.19722219+00	.19391556+01	.15385893+00	.33888976+01	.67716849+00
.19765852+00	.19391873+01	.15348506+00	.34030137+01	.68153343+00
.19809485+00	.19392197+01	.15311151+00	.34173103+01	.68594768+00
.19853118+00	.19392525+01	.15273825+00	.34317912+01	.69041225+00
.19896752+00	.19392860+01	.15236525+00	.34464604+01	.69492823+00
.19940385+00	.19393200+01	.15199248+00	.34613220+01	.69949669+00
.19984018+00	.19393546+01	.15161989+00	.34763806+01	.70411803+00
.20027651+00	.19393897+01	.15124747+00	.34916405+01	.70879576+00
.20071284+00	.19394255+01	.15087517+00	.35071062+01	.71352874+00
.20114918+00	.19394618+01	.15050295+00	.35227824+01	.71831898+00
.20158551+00	.19394986+01	.15013079+00	.35386740+01	.72316774+00
.20202184+00	.19395361+01	.14975864+00	.35547862+01	.72807646+00

TABLE 82. (Concluded)

$$M_{\infty} = .12499999 + j02$$

$$\Theta_s = .17453292 + j00$$

Θ	M_1^*	ψ_1	x	r
.20245817+j00	.19395742+j01	.14938648+j00	.35711240+j01	.73304641+j00
.20289451+j00	.19396128+j01	.14961426+j00	.35876932+j01	.73807909+j00
.20333084+j00	.19396521+j01	.14864195+j00	.36044993+j01	.74317599+j00
.20376716+j00	.19396921+j01	.14826951+j00	.36215476+j01	.74833851+j00
.20420349+j00	.19397327+j01	.14789689+j00	.36388450+j01	.75356842+j00
.20463981+j00	.19397740+j01	.14752407+j00	.36563972+j01	.75886725+j00
.20507614+j00	.19398158+j01	.14715100+j00	.36742108+j01	.76423675+j00
.20551246+j00	.19398583+j01	.14677763+j00	.36922927+j01	.76967867+j00
.20594878+j00	.19399014+j01	.14640393+j00	.37106501+j01	.77519493+j00
.20638511+j00	.19399452+j01	.14602986+j00	.37292899+j01	.78078733+j00
.20682143+j00	.19399896+j01	.14565537+j00	.37482200+j01	.78645793+j00
.20725776+j00	.19400346+j01	.14528040+j00	.37674481+j01	.79220878+j00
.20769408+j00	.19400802+j01	.14490493+j00	.37869822+j01	.79804192+j00
.20813041+j00	.19401266+j01	.14452890+j00	.38068310+j01	.80395965+j00
.20856673+j00	.19401736+j01	.14415226+j00	.38270034+j01	.80996430+j00
.20900306+j00	.19402213+j01	.14377497+j00	.38475086+j01	.81605823+j00
.20943938+j00	.19402697+j01	.14339697+j00	.38683565+j01	.82224403+j00
.20987571+j00	.19403188+j01	.14301821+j00	.38895569+j01	.82852425+j00
.21031203+j00	.19403686+j01	.14263863+j00	.39111203+j01	.83490164+j00
.21074836+j00	.19404191+j01	.14225818+j00	.39330575+j01	.84137901+j00
.21118468+j00	.19404704+j01	.14187680+j00	.39553804+j01	.84795940+j00
.21162101+j00	.19405224+j01	.14149443+j00	.39781005+j01	.85464588+j00
.21205733+j00	.19405752+j01	.14111101+j00	.40012306+j01	.86144166+j00
.21249365+j00	.19406287+j01	.14072647+j00	.40247840+j01	.86835025+j00
.21292998+j00	.19406830+j01	.14034076+j00	.40487742+j01	.87537514+j00
.21336630+j00	.19407381+j01	.13995379+j00	.40732158+j01	.88252012+j00
.21380263+j00	.19407940+j01	.13956549+j00	.40981240+j01	.88978905+j00
.21423895+j00	.19408508+j01	.13917581+j00	.41235143+j01	.89718600+j00
.21467528+j00	.19409084+j01	.13878465+j00	.41494040+j01	.90471542+j00
.21511160+j00	.19409668+j01	.13839193+j00	.41758105+j01	.91238175+j00
.21554793+j00	.19410262+j01	.13799758+j00	.42027524+j01	.92018984+j00
.21555177+j00	.19410267+j01	.13799410+j00	.42029922+j01	.92025928+j00

$$.65275636+j00 = \Delta S/R$$

$$.97088604+j01 = P_s/P_{\infty}$$

$$.30122452+j01 = \rho_s/\rho_{\infty}$$

$$.32231309+j01 = T_s/T_{\infty}$$

TABLE 83. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 15.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.97257568+00	.14999999+02	.17453292+00	.21121192+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.17453292+00	.19451149+01	.47453292+00	.28356408+01	.50000000+00
.17540558+00	.19451164+01	.17366451+00	.28531211+01	.50564982+00
.17627825+00	.19451208+01	.17280434+00	.28709418+01	.51139259+00
.17715091+00	.19451279+01	.17195203+00	.28891131+01	.51723103+00
.17802358+00	.19451379+01	.17110721+00	.29076460+01	.52316806+00
.17889624+00	.19451506+01	.17026953+00	.29265521+01	.52920679+00
.17976891+00	.19451659+01	.16943864+00	.29458433+01	.53535043+00
.18064157+00	.19451839+01	.16861421+00	.29655325+01	.54160236+00
.18151423+00	.19452044+01	.16779590+00	.29856329+01	.54796613+00
.18238690+00	.19452274+01	.16698342+00	.30061584+01	.55444544+00
.18325956+00	.19452529+01	.16617643+00	.30271236+01	.56104415+00
.18413223+00	.19452809+01	.16537465+00	.30485440+01	.56776638+00
.18500489+00	.19453113+01	.16457777+00	.30704360+01	.57461645+00
.18587755+00	.19453440+01	.16378550+00	.30928165+01	.58159880+00
.18675022+00	.19453792+01	.16299755+00	.31157037+01	.58871827+00
.18762288+00	.19454167+01	.16221363+00	.31391165+01	.59597984+00
.18849555+00	.19454566+01	.16143348+00	.31630751+01	.60338879+00
.18936821+00	.19454987+01	.16065679+00	.31876007+01	.61095072+00
.19024087+00	.19455432+01	.15988933+00	.32127157+01	.61867148+00
.19111354+00	.19455900+01	.15911273+00	.32384438+01	.62655730+00
.19198620+00	.19456391+01	.15834478+00	.32648107+01	.63461485+00
.19285887+00	.19456904+01	.15757920+00	.32918428+01	.64285108+00
.19373153+00	.19457441+01	.15681569+00	.33195688+01	.65127344+00
.19460420+00	.19458001+01	.15605397+00	.33480189+01	.65988981+00
.19547686+00	.19458583+01	.15529375+00	.33772255+01	.66870860+00
.19634952+00	.19459184+01	.15453474+00	.33972123+01	.67319664+00
.19722219+00	.19459819+01	.15377663+00	.34072229+01	.67773870+00
.19809485+00	.19460482+01	.15302983+00	.34225296+01	.68233597+00
.19896752+00	.19461179+01	.15226193+00	.34380479+01	.68698969+00
.19984018+00	.19461906+01	.15148833+00	.34537830+01	.69170117+00
.20071284+00	.19462669+01	.15074709+00	.34697399+01	.69647174+00
.20158549+00	.19463467+01	.15003680+00	.34859239+01	.70130276+00
.20245814+00	.19464299+01	.14935879+00	.35023409+01	.70619572+00
.20333079+00	.19465164+01	.14871395+00	.35189963+01	.71115206+00
.20420344+00	.19466062+01	.14809227+00	.35358962+01	.71617333+00
.20507609+00	.19466993+01	.14749276+00	.35530468+01	.72126111+00
.20594874+00	.19467957+01	.14691449+00	.35704544+01	.72641705+00
.20682139+00	.19468954+01	.14635755+00	.35881255+01	.73164280+00
.20769404+00	.19469984+01	.14582199+00	.36060673+01	.73694024+00
.20856669+00	.19471047+01	.14530782+00	.36242870+01	.74231119+00

TABLE 83. (Concluded)

M_{∞}	Θ	M_1^*	ψ_1	χ	τ
$M_{\infty} = .14999999+02$				$\Theta_s = .17453292+00$	
.20245814+00	.19464116+01	.14922943+00	.36427923+01	.74775764+00	
.20289446+00	.19464509+01	.14884924+00	.36615905+01	.75328148+00	
.20333079+00	.19464915+01	.14846863+00	.36806900+01	.75888480+00	
.20376711+00	.19465327+01	.14808757+00	.37000991+01	.76456980+00	
.20420343+00	.19465746+01	.14770601+00	.37198265+01	.77033868+00	
.20463976+00	.19466171+01	.14732388+00	.37398816+01	.77619383+00	
.20507608+00	.19466604+01	.14694115+00	.37602738+01	.78213765+00	
.20551241+00	.19467043+01	.14655775+00	.37810130+01	.78817268+00	
.20594873+00	.19467489+01	.14617362+00	.38021096+01	.79430158+00	
.20638506+00	.19467943+01	.14578872+00	.38235745+01	.80052713+00	
.20682138+00	.19468403+01	.14540297+00	.38454189+01	.80685218+00	
.20725771+00	.19468871+01	.14501633+00	.38676547+01	.81327973+00	
.20769403+00	.19469346+01	.14462871+00	.38902945+01	.81981302+00	
.20813036+00	.19469829+01	.14424007+00	.39133512+01	.82645530+00	
.20856668+00	.19470319+01	.14385033+00	.39368384+01	.83321005+00	
.20900301+00	.19470818+01	.14345943+00	.39607702+01	.84008086+00	
.20943933+00	.19471324+01	.14306728+00	.39851618+01	.84707152+00	
.20987565+00	.19471838+01	.14267381+00	.40100292+01	.85418615+00	
.21031198+00	.19472361+01	.14227894+00	.40353888+01	.86142885+00	
.21074830+00	.19472892+01	.14188259+00	.40612584+01	.86880416+00	
.21118463+00	.19473432+01	.14148468+00	.40876559+01	.87631658+00	
.21162192+00	.19473966+01	.14108597+00	.40893247+01	.87679106+00	

$$.93781462+00 = \Delta S/R$$

$$.13417678+02 = P_s/P_{\infty}$$

$$.32634197+01 = \rho_s/\rho_{\infty}$$

$$.41115395+01 = T_s/T_{\infty}$$

TABLE 84. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 17.5$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.97465874+00	.17499996+02	.17453292+00	.20854227+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.17453292+00	.19492809+01	.17453292+00	.28356408+01	.50000000+00
.17540558+00	.19492824+01	.17366450+00	.28538949+01	.50578696+00
.17627825+00	.19492868+01	.17280431+00	.28725196+01	.51167365+00
.17715091+00	.19492940+01	.17195192+00	.28915268+01	.51766315+00
.17802358+00	.19493040+01	.17110697+00	.29109290+01	.52375876+00
.17889624+00	.19493167+01	.17026906+00	.29307394+01	.52996398+00
.17976891+00	.19493321+01	.16943783+00	.29509718+01	.53628244+00
.18064157+00	.19493501+01	.16861293+00	.29716409+01	.54271796+00
.18151423+00	.19493707+01	.16779402+00	.29927621+01	.54927458+00
.18238690+00	.19493937+01	.16698075+00	.30143515+01	.55595655+00
.18325956+00	.19494193+01	.16617280+00	.30364259+01	.56276824+00
.18413223+00	.19494474+01	.16536984+00	.30590037+01	.56971440+00
.18500489+00	.19494779+01	.16457156+00	.30821037+01	.57679999+00
.18584122+00	.19494941+01	.16417408+00	.30938556+01	.58003964+00
.18587755+00	.19495109+01	.16377764+00	.31057457+01	.58403012+00
.18631389+00	.19495282+01	.16338222+00	.31177767+01	.58770113+00
.18675022+00	.19495462+01	.16298778+00	.31299513+01	.59141039+00
.18718655+00	.19495648+01	.16259427+00	.31422722+01	.59515858+00
.18762288+00	.19495839+01	.16220167+00	.31547426+01	.59894656+00
.18805921+00	.19496036+01	.16180992+00	.31673653+01	.60277499+00
.18849555+00	.19496240+01	.16141899+00	.31801435+01	.60664477+00
.18893188+00	.19496449+01	.16102885+00	.31930803+01	.61055665+00
.18936821+00	.19496664+01	.16063946+00	.32061792+01	.61451156+00
.18980454+00	.19496885+01	.16025078+00	.32194432+01	.61851028+00
.19024087+00	.19497112+01	.15986276+00	.32328763+01	.62255379+00
.19067721+00	.19497345+01	.15947538+00	.32464817+01	.62664299+00
.19111354+00	.19497583+01	.15908860+00	.32602634+01	.63077883+00
.19154987+00	.19497828+01	.15870237+00	.32742251+01	.63496231+00
.19198620+00	.19498078+01	.15831666+00	.32883708+01	.63919447+00
.19242254+00	.19498334+01	.15793143+00	.33027046+01	.64347632+00
.19285887+00	.19498596+01	.15754665+00	.33172307+01	.64780898+00
.19329520+00	.19498864+01	.15716226+00	.33319535+01	.65219355+00
.19373153+00	.19499138+01	.15677823+00	.33468775+01	.65663121+00
.19416786+00	.19499418+01	.15639453+00	.33620073+01	.66112309+00
.19460420+00	.19499703+01	.15601111+00	.33773479+01	.66567051+00
.19504053+00	.19499995+01	.15562793+00	.33929040+01	.67027467+00
.19547686+00	.19500293+01	.15524496+00	.34086812+01	.67493697+00
.19591319+00	.19500596+01	.15486214+00	.34246845+01	.67965873+00
.19634952+00	.19500906+01	.15447944+00	.34409199+01	.68444145+00
.19678586+00	.19501222+01	.15409682+00	.34573926+01	.68928648+00

TABLE 84. (Concluded)

$$M_{\infty} = .17499996 + 02$$

$$\Theta_s = .17453292 + 00$$

Θ	M_1^*	ψ_1	x	r
.19722219+00	.19501543+01	.15371423+00	.34741092+01	.69419544+00
.19765852+00	.19501871+01	.15333162+00	.34916754+01	.69916985+00
.19809485+00	.19502200+01	.15294896+00	.35082977+01	.70421134+00
.19853118+00	.19502546+01	.15256620+00	.35257828+01	.70932162+00
.19896751+00	.19502894+01	.15218330+00	.35435373+01	.71450235+00
.19940383+00	.19503249+01	.15180020+00	.35615689+01	.71975546+00
.19984016+00	.19503610+01	.15141686+00	.35798852+01	.72508293+00
.20027648+00	.19503978+01	.15103322+00	.35984937+01	.73048663+00
.20071281+00	.19504352+01	.15064925+00	.36174025+01	.73596864+00
.20114913+00	.19504732+01	.15026488+00	.36366203+01	.74153111+00
.20158546+00	.19505119+01	.14988007+00	.36561558+01	.74717628+00
.20202178+00	.19505513+01	.14949476+00	.36760179+01	.75290640+00
.20245811+00	.19505914+01	.14910890+00	.36962168+01	.75872400+00
.20289443+00	.19506322+01	.14872243+00	.37167619+01	.76463149+00
.20333076+00	.19506736+01	.14833529+00	.37376640+01	.77063159+00
.20376708+00	.19507158+01	.14794742+00	.37589338+01	.77672698+00
.20420340+00	.19507586+01	.14755876+00	.37805826+01	.78292054+00
.20463973+00	.19508022+01	.14716925+00	.38026227+01	.78921533+00
.20507605+00	.19508465+01	.14677883+00	.38250663+01	.79561439+00
.20551238+00	.19508916+01	.14638742+00	.38479266+01	.80212107+00
.20594870+00	.19509374+01	.14599495+00	.38712172+01	.80873879+00
.20638503+00	.19509840+01	.14560135+00	.38949530+01	.81547125+00
.20682135+00	.19510314+01	.14520656+00	.39191486+01	.82232215+00
.20725768+00	.19510796+01	.14481048+00	.39438201+01	.82929546+00
.20769400+00	.19511286+01	.14441304+00	.39689842+01	.83639541+00
.20813033+00	.19511784+01	.14401415+00	.39946589+01	.84362642+00
.20856665+00	.19512262+01	.14361365+00	.40208330+01	.85097785+00

$$.12224615+01 = \Delta S/R$$

$$.17747664+02 = P_s/P_{\infty}$$

$$.34601116+01 = \rho_s/\rho_{\infty}$$

$$.51586767+01 = T_s/T_{\infty}$$

TABLE 85. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 20.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.97602226+00	.19799983+02	.17453292+00	.20678689+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.17453292+00	.19520079+01	.17453292+00	.28356408+01	.50000000+00
.17540558+00	.19520094+01	.17366450+00	.28544543+01	.50588611+00
.17627825+00	.19520138+01	.17280428+00	.28736614+01	.51187703+00
.17715091+00	.19520210+01	.17195185+00	.28932748+01	.51797608+00
.17802358+00	.19520310+01	.17110678+00	.29133082+01	.52418684+00
.17889624+00	.19520438+01	.17026871+00	.29337762+01	.53051313+00
.17976891+00	.19520592+01	.16943723+00	.29546943+01	.53695893+00
.18064157+00	.19520772+01	.16861198+00	.29760784+01	.54352839+00
.18151423+00	.19520978+01	.16779261+00	.29979457+01	.55022595+00
.18238690+00	.19521210+01	.16697875+00	.30203139+01	.55705625+00
.18325956+00	.19521466+01	.16617008+00	.30432020+01	.56402410+00
.18413223+00	.19521748+01	.16536624+00	.30666300+01	.57113475+00
.18500489+00	.19522054+01	.16456690+00	.30906192+01	.57839362+00
.18587755+00	.19522216+01	.16416882+00	.31028310+01	.58208039+00
.18675022+00	.19522385+01	.16377174+00	.31151916+01	.58580641+00
.18762288+00	.19522559+01	.16337563+00	.31277039+01	.58957241+00
.18849555+00	.19522739+01	.16298044+00	.31403713+01	.59337926+00
.18936821+00	.19522925+01	.16258613+00	.31531965+01	.59722769+00
.19024087+00	.19523118+01	.16219266+00	.31661833+01	.60111863+00
.19111354+00	.19523316+01	.16180000+00	.31793346+01	.60505286+00
.19198620+00	.19523520+01	.16140809+00	.31926543+01	.60903133+00
.19285887+00	.19523730+01	.16101691+00	.32061458+01	.61305493+00
.19373153+00	.19523946+01	.16062641+00	.32198129+01	.61712469+00
.19460420+00	.19524169+01	.16023654+00	.32336591+01	.62124140+00
.19547686+00	.19524397+01	.15984728+00	.32476889+01	.62540626+00
.19634952+00	.19524631+01	.15945858+00	.32619061+01	.62962022+00
.19722219+00	.19524870+01	.15907040+00	.32763149+01	.63388440+00
.19809487+00	.19525116+01	.15868270+00	.32909198+01	.63819989+00
.19896753+00	.19525368+01	.15829543+00	.33057254+01	.64256787+00
.19984020+00	.19525626+01	.15790856+00	.33207342+01	.64698948+00
.20071287+00	.19525889+01	.15752204+00	.33359570+01	.65146597+00
.20158554+00	.19526159+01	.15713583+00	.33513930+01	.65599863+00
.20245821+00	.19526435+01	.15674990+00	.33670493+01	.66058874+00
.20333087+00	.19526717+01	.15636419+00	.33829311+01	.66523766+00
.20420354+00	.19527005+01	.15597866+00	.33990441+01	.66994681+00
.20507621+00	.19527299+01	.15559326+00	.34153940+01	.67471762+00
.20594887+00	.19527599+01	.15520797+00	.34319870+01	.67955166+00
.20682154+00	.19527905+01	.15482272+00	.34488290+01	.68445043+00
.20769421+00	.19528218+01	.15443747+00	.34659268+01	.68941563+00
.20856687+00	.19528536+01	.15405218+00	.34832867+01	.69444887+00

TABLE 85. (Concluded)

$$M_{\infty} = .19999983+02$$

$$\Theta_s = .17453292+00$$

Θ	M^*_1	ψ_1	x	r
.19722219+00	.19528861+01	.15366680+00	.35009160+01	.69955198+00
.19765851+00	.19529194+01	.15328128+00	.35188214+01	.70472661+00
.19809484+00	.19529534+01	.15289557+00	.35370106+01	.70997475+00
.19853116+00	.19529880+01	.15250962+00	.35554917+01	.71529841+00
.19896749+00	.19530232+01	.15212338+00	.35742728+01	.72069962+00
.19940381+00	.19530591+01	.15173680+00	.35933625+01	.72618054+00
.19984014+00	.19530957+01	.15134982+00	.36127690+01	.73174325+00
.20027646+00	.19531329+01	.15096239+00	.36325023+01	.73739022+00
.20071279+00	.19531708+01	.15057445+00	.36525715+01	.74312375+00
.20114911+00	.19532094+01	.15018595+00	.36729869+01	.74894641+00
.20158543+00	.19532486+01	.14979682+00	.36937585+01	.75486072+00
.20202176+00	.19532886+01	.14940700+00	.37148980+01	.76086955+00
.20245808+00	.19533293+01	.14901643+00	.37364162+01	.76697565+00
.20289441+00	.19533707+01	.14862506+00	.37583253+01	.77318204+00
.20333073+00	.19534128+01	.14823280+00	.37806380+01	.77949189+00
.20376706+00	.19534557+01	.14783958+00	.38033675+01	.78590846+00
.20420338+00	.19534993+01	.14744535+00	.38265271+01	.79243509+00
.20463971+00	.19535437+01	.14705003+00	.38501317+01	.79907548+00
.20507603+00	.19535888+01	.14665353+00	.38741966+01	.80583342+00
.20551236+00	.19536348+01	.14625579+00	.38987378+01	.81271286+00
.20594868+00	.19536816+01	.14585670+00	.39237719+01	.81971796+00
.20638501+00	.19537292+01	.14545620+00	.39493168+01	.82685311+00
.20682134+00	.19537773+01	.14505498+00	.39753138+01	.83354422+00

$$.14979818+01 = \Delta S/R$$

$$.22649994+02 = P_s/P_{\infty}$$

$$.35898927+01 = \rho_s/\rho_{\infty}$$

$$.43656913+01 = T_s/T_{\infty}$$

TABLE 86. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 22.5$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.97696261+00	.22499955+02	.17453292+00	.20557263+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.17453292+00	.19538886+01	.17453292+00	.28356408+01	.50000000+00
.17476925+00	.19538890+01	.17409776+00	.28452041+01	.50296637+00
.17540558+00	.19538901+01	.17366450+00	.28548685+01	.50595951+00
.17584192+00	.19538919+01	.17323339+00	.28646356+01	.50897980+00
.17627825+00	.19538945+01	.17280427+00	.28745070+01	.51202766+00
.17671458+00	.19538977+01	.17237708+00	.28844846+01	.51510356+00
.17715091+00	.19539017+01	.17195179+00	.28944570+01	.51820795+00
.17758724+00	.19539064+01	.17152832+00	.29044765+01	.52134136+00
.17802358+00	.19539117+01	.17110665+00	.29150722+01	.52450424+00
.17845991+00	.19539177+01	.17068670+00	.29254929+01	.52769713+00
.17889624+00	.19539245+01	.17026844+00	.29360293+01	.53092055+00
.17933257+00	.19539318+01	.16985181+00	.29466834+01	.53417501+00
.17976891+00	.19539399+01	.16943677+00	.29574575+01	.53746109+00
.18020524+00	.19539486+01	.16902326+00	.29683538+01	.54077934+00
.18064157+00	.19539579+01	.16861126+00	.29793744+01	.54413035+00
.18107790+00	.19539679+01	.16820069+00	.29905218+01	.54751472+00
.18151423+00	.19539786+01	.16779153+00	.30017982+01	.55093303+00
.18195057+00	.19539898+01	.16738373+00	.30132063+01	.55438596+00
.18238690+00	.19540018+01	.16697723+00	.30247483+01	.55787410+00
.18282323+00	.19540143+01	.16657201+00	.30364269+01	.56139813+00
.18325956+00	.19540275+01	.16616800+00	.30482447+01	.56495873+00
.18369589+00	.19540413+01	.16576518+00	.30602047+01	.56855662+00
.18413223+00	.19540557+01	.16536349+00	.30723094+01	.57219249+00
.18456856+00	.19540707+01	.16496290+00	.30845620+01	.57586713+00
.18500489+00	.19540864+01	.16456336+00	.30969654+01	.57958128+00
.18544122+00	.19541026+01	.16416482+00	.31095223+01	.58333566+00
.18587755+00	.19541195+01	.16376726+00	.31222364+01	.58713116+00
.18631389+00	.19541369+01	.16337061+00	.31351106+01	.59096858+00
.18675022+00	.19541550+01	.16297485+00	.31481486+01	.59484880+00
.18718655+00	.19541737+01	.16257993+00	.31613534+01	.59877264+00
.18762288+00	.19541930+01	.16218581+00	.31747292+01	.60274112+00
.18805921+00	.19542129+01	.16179244+00	.31882791+01	.60675506+00
.18849555+00	.19542334+01	.16139979+00	.32020074+01	.61081552+00
.18893188+00	.19542544+01	.16100781+00	.32159176+01	.61492344+00
.18936821+00	.19542761+01	.16061646+00	.32300191+01	.61907988+00
.18980454+00	.19542984+01	.16022569+00	.32443009+01	.62328586+00
.19024087+00	.19543213+01	.15983548+00	.32587825+01	.62754255+00
.19067721+00	.19543448+01	.15944576+00	.32734632+01	.63185101+00
.19111354+00	.19543689+01	.15905651+00	.32883478+01	.63621245+00
.19154987+00	.19543936+01	.15866768+00	.33034410+01	.64062809+00

TABLE 86. (Concluded)

$$M_{\infty} = .22499955+02$$

$$\Theta_s = .17453292+00$$

Θ	M_1^*	ψ_1	x	r
.19198620+00	.19544189+01	.15827922+00	.33187479+01	.64509919+00
.19242254+00	.19544448+01	.15789109+00	.33342735+01	.64962701+00
.19285887+00	.19544713+01	.15750324+00	.33500232+01	.65421291+00
.19329520+00	.19544984+01	.15711564+00	.33660028+01	.65885833+00
.19373153+00	.19545261+01	.15672823+00	.33822175+01	.66356464+00
.19416786+00	.19545545+01	.15634097+00	.33986734+01	.66833331+00
.19460420+00	.19545834+01	.15595382+00	.34153770+01	.67316599+00
.19504053+00	.19546130+01	.15556672+00	.34323342+01	.67806418+00
.19547686+00	.19546432+01	.15517964+00	.34495520+01	.68302963+00
.19591319+00	.19546740+01	.15479251+00	.34670371+01	.68806398+00
.19634952+00	.19547055+01	.15440530+00	.34847968+01	.69316911+00
.19678585+00	.19547377+01	.15401795+00	.35028384+01	.69834679+00
.19722217+00	.19547706+01	.15363041+00	.35211698+01	.70359902+00
.19765850+00	.19548042+01	.15324264+00	.35397990+01	.70892782+00
.19809482+00	.19548384+01	.15285456+00	.35587347+01	.71433531+00
.19853115+00	.19548733+01	.15246614+00	.35779855+01	.71982369+00
.19896747+00	.19549088+01	.15207731+00	.35975605+01	.72539518+00
.19940380+00	.19549450+01	.15168803+00	.36174695+01	.73105226+00
.19984012+00	.19549819+01	.15129822+00	.36377220+01	.73679727+00
.20027645+00	.19550195+01	.15090783+00	.36583289+01	.74263293+00
.20071277+00	.19550578+01	.15051680+00	.36793006+01	.74856181+00
.20114909+00	.19550968+01	.15012506+00	.37006489+01	.75458684+00
.20158542+00	.19551364+01	.14973256+00	.37223853+01	.76071088+00
.20202174+00	.19551769+01	.14933921+00	.37445227+01	.76693711+00
.20245807+00	.19552180+01	.14894496+00	.37670740+01	.77326874+00
.20289439+00	.19552599+01	.14854973+00	.37900530+01	.77970918+00
.20333072+00	.19553026+01	.14815345+00	.38134738+01	.78626191+00
.20376704+00	.19553460+01	.14775604+00	.38373520+01	.79293078+00
.20420337+00	.19553902+01	.14735742+00	.38617032+01	.79971965+00
.20463969+00	.19554352+01	.14695750+00	.38865442+01	.80663265+00
.20507602+00	.19554811+01	.14655621+00	.39118927+01	.81367415+00
.20551234+00	.19555277+01	.14615344+00	.39377673+01	.82084870+00
.20594867+00	.19555750+01	.14574967+00	.39641385+01	.82818509+00

$$.17605700+01 = \Delta S/R$$

$$.28574622+02 = P_s/P_{\infty}$$

$$.36958925+01 = \rho_s/\rho_{\infty}$$

$$.77314543+01 = T_s/T_{\infty}$$

TABLE 87. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 25.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.97763803+00	.24999962+02	.17453292+00	.20469853+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.17453292+00	.19552394+01	.17453292+00	.28356408+01	.50000000+00
.17496925+00	.19552398+01	.17497766+00	.28453591+01	.50299378+00
.17540558+00	.19552409+01	.17366450+00	.28551818+01	.50601504+00
.17584192+00	.19552427+01	.17323338+00	.28651105+01	.50906417+00
.17627825+00	.19552453+01	.17280425+00	.28751469+01	.51214164+00
.17671458+00	.19552485+01	.17237706+00	.28852929+01	.51524792+00
.17715091+00	.19552525+01	.17195174+00	.28955505+01	.51838350+00
.17758724+00	.19552572+01	.17152825+00	.29059215+01	.52154889+00
.17802358+00	.19552625+01	.17110654+00	.29164081+01	.52474461+00
.17845991+00	.19552686+01	.17068655+00	.29270123+01	.52797119+00
.17889624+00	.19552753+01	.17026823+00	.29377362+01	.53122921+00
.17933257+00	.19552827+01	.16985153+00	.29485821+01	.53451920+00
.17976891+00	.19552907+01	.16943641+00	.29595522+01	.53784175+00
.18020524+00	.19552994+01	.16902202+00	.29706487+01	.54119743+00
.18064157+00	.19553088+01	.16861070+00	.29818740+01	.54458686+00
.18107790+00	.19553188+01	.16820001+00	.29932308+01	.54801070+00
.18151423+00	.19553295+01	.16779071+00	.30047214+01	.55146953+00
.18195057+00	.19553408+01	.16738274+00	.30163484+01	.55496407+00
.18238690+00	.19553527+01	.16697606+00	.30281144+01	.55849494+00
.18282323+00	.19553652+01	.16657064+00	.30400222+01	.56206286+00
.18325956+00	.19553784+01	.16616641+00	.30520746+01	.56566855+00
.18369589+00	.19553922+01	.16576334+00	.30642746+01	.56931277+00
.18413223+00	.19554067+01	.16536138+00	.30766252+01	.57299627+00
.18456856+00	.19554217+01	.16496049+00	.30891293+01	.57671982+00
.18500489+00	.19554374+01	.16456063+00	.31017903+01	.58048424+00
.18544122+00	.19554537+01	.16416174+00	.31146111+01	.58429030+00
.18587755+00	.19554706+01	.16376380+00	.31275955+01	.58813893+00
.18631389+00	.19554881+01	.16336674+00	.31407467+01	.59203099+00
.18675022+00	.19555062+01	.16297054+00	.31540684+01	.59596737+00
.18718655+00	.19555249+01	.16257514+00	.31675642+01	.59994899+00
.18762288+00	.19555442+01	.16218051+00	.31812382+01	.60397689+00
.18805921+00	.19555642+01	.16178660+00	.31950938+01	.60805196+00
.18849555+00	.19555847+01	.16139337+00	.32091357+01	.61217532+00
.18893188+00	.19556058+01	.16100078+00	.32233675+01	.61634795+00
.18936821+00	.19556276+01	.16060877+00	.32377940+01	.62057100+00
.18980454+00	.19556499+01	.16021731+00	.32524195+01	.62484558+00
.19024087+00	.19556729+01	.15982635+00	.32672487+01	.62917287+00
.19067721+00	.19556964+01	.15943586+00	.32822862+01	.63355405+00
.19111354+00	.19557206+01	.15904577+00	.32975373+01	.63799039+00
.19154987+00	.19557454+01	.15865606+00	.33130070+01	.64248320+00

TABLE 87. (Concluded)

$$M_{\infty} = .24999962+02$$

$$\Theta_s = .17453292+00$$

θ	M_1^*	ψ_1	x	r
.19198623+00	.19557707+01	.15826667+00	.33287008+01	.64703383+00
.19242254+00	.19557967+01	.15787756+00	.33446238+01	.65164359+00
.19285887+00	.19558233+01	.15748868+00	.33607822+01	.65631398+00
.19329520+00	.19558506+01	.15709999+00	.33771819+01	.66104651+00
.19373153+00	.19558784+01	.15671144+00	.33938288+01	.66584268+00
.19416786+00	.19559069+01	.15632298+00	.34107295+01	.67070408+00
.19460420+00	.19559360+01	.15593456+00	.34278906+01	.67563241+00
.19504053+00	.19559657+01	.15554614+00	.34453189+01	.68062934+00
.19547686+00	.19559960+01	.15515766+00	.34630218+01	.68569672+00
.19591319+00	.19560270+01	.15476907+00	.34810066+01	.69083636+00
.19634952+00	.19560588+01	.15438033+00	.34992810+01	.69605017+00
.19678584+00	.19560913+01	.15399137+00	.35178534+01	.70134024+00
.19722217+00	.19561244+01	.15360214+00	.35367322+01	.70670868+00
.19765849+00	.19561581+01	.15321259+00	.35559262+01	.71215764+00
.19809482+00	.19561925+01	.15282267+00	.35754445+01	.71768940+00
.19853114+00	.19562276+01	.15243231+00	.35952967+01	.72330636+00
.19896746+00	.19562634+01	.15204145+00	.36154927+01	.72901093+00
.19940379+00	.19562999+01	.15165004+00	.36360432+01	.73480577+00
.19984011+00	.19563370+01	.15125801+00	.36569588+01	.74069352+00
.20027644+00	.19563749+01	.15086530+00	.36782512+01	.74667708+00
.20071276+00	.19564135+01	.15047184+00	.36999322+01	.75275931+00
.20114909+00	.19564528+01	.15007756+00	.37220144+01	.75894336+00
.20158541+00	.19564928+01	.14968240+00	.37445109+01	.76523244+00
.20202174+00	.19565336+01	.14928627+00	.37674356+01	.77163000+00
.20245806+00	.19565751+01	.14888911+00	.37908028+01	.77813953+00
.20289439+00	.19566174+01	.14849084+00	.38146277+01	.78476477+00
.20333071+00	.19566605+01	.14809137+00	.38389263+01	.79150967+00
.20376704+00	.19567043+01	.14769063+00	.38637154+01	.79837834+00
.20420336+00	.19567490+01	.14728852+00	.38889012+01	.80537518+00
.20463968+00	.19567945+01	.14688496+00	.39148372+01	.81250469+00
.20469853+00	.19568007+01	.14683042+00	.39183614+01	.81347662+00

$$.20089907+01 = \Delta S/R$$

$$.34972155+02 = P_s/P_{\infty}$$

$$.37775222+01 = \rho_s/\rho_{\infty}$$

$$.92579616+01 = T_s/T_{\infty}$$

TABLE 88. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 27.5$

u_s	M_∞	θ_s	θ_w	
.97813921+00	.27499968+02	.17453292+00	.20404875+00	
θ	M_1^*	ψ_1	x	r
.17453292+00	.19562417+01	.17453292+00	.28356408+01	.50000000+00
.17496925+00	.19562421+01	.17497746+00	.28454787+01	.50301491+00
.17540558+00	.19562432+01	.17366450+00	.28554235+01	.50605787+00
.17584192+00	.19562451+01	.17323338+00	.28654769+01	.50912929+00
.17627825+00	.19562476+01	.17280424+00	.28756408+01	.51222961+00
.17671458+00	.19562509+01	.17237704+00	.28859170+01	.51535936+00
.17715091+00	.19562549+01	.17195171+00	.28963076+01	.51851903+00
.17758724+00	.19562595+01	.17152820+00	.29068145+01	.52170916+00
.17802358+00	.19562649+01	.17110646+00	.29174399+01	.52493025+00
.17845991+00	.19562710+01	.17068643+00	.29281860+01	.52818292+00
.17889624+00	.19562777+01	.17026807+00	.29390551+01	.53146770+00
.17933257+00	.19562851+01	.16985132+00	.29500492+01	.53478516+00
.17976891+00	.19562931+01	.16943614+00	.29611709+01	.53813593+00
.18020524+00	.19563019+01	.16902247+00	.29724225+01	.54152060+00
.18064157+00	.19563112+01	.16861026+00	.29838065+01	.54493979+00
.18107790+00	.19563212+01	.16819948+00	.29953255+01	.54839420+00
.18151423+00	.19563319+01	.16779006+00	.30069820+01	.55188443+00
.18195057+00	.19563432+01	.16738197+00	.30187789+01	.55541125+00
.18238690+00	.19563552+01	.16697515+00	.30307187+01	.55897526+00
.18282323+00	.19563677+01	.16656956+00	.30428045+01	.56257727+00
.18325956+00	.19563809+01	.16616516+00	.30550390+01	.56621797+00
.18369589+00	.19563947+01	.16576190+00	.30674255+01	.56989817+00
.18413223+00	.19564092+01	.16535973+00	.30799669+01	.57361864+00
.18456856+00	.19564243+01	.16495860+00	.30926666+01	.57738020+00
.18500489+00	.19564399+01	.16455849+00	.31055278+01	.58118370+00
.18544122+00	.19564562+01	.16415933+00	.31185539+01	.58502995+00
.18587755+00	.19564732+01	.16376108+00	.31317486+01	.58891991+00
.18631389+00	.19564907+01	.16336371+00	.31451154+01	.59285448+00
.18675022+00	.19565088+01	.16296716+00	.31586581+01	.59683460+00
.18718655+00	.19565276+01	.16257139+00	.31723805+01	.60086121+00
.18762288+00	.19565469+01	.16217637+00	.31862868+01	.60493541+00
.18805921+00	.19565669+01	.16178203+00	.32003808+01	.60905812+00
.18849555+00	.19565875+01	.16138834+00	.32146672+01	.61323052+00
.18893188+00	.19566087+01	.16099526+00	.32291502+01	.61745366+00
.18936821+00	.19566304+01	.16060274+00	.32438343+01	.62172873+00
.18980454+00	.19566528+01	.16021073+00	.32587243+01	.62605604+00
.19024087+00	.19566758+01	.15981919+00	.32738252+01	.63043931+00
.19067721+00	.19566994+01	.15942808+00	.32891419+01	.63487734+00
.19111354+00	.19567237+01	.15903734+00	.33046797+01	.63937226+00
.19154987+00	.19567485+01	.15864694+00	.33204442+01	.64392547+00

TABLE 88. (Concluded)

$M_{\infty} = .27499968+02$			$\Theta_s = .17453292+00$	
Θ	M_1^*	ψ_1	x	r
.19198620+00	.19567740+01	.15825682+00	.33364408+01	.64853833+00
.19242254+00	.19568000+01	.15786694+00	.33526755+01	.65321232+00
.19285887+00	.19568267+01	.15747725+00	.33691543+01	.65794895+00
.19329520+00	.19568540+01	.15708770+00	.33858836+01	.66274979+00
.19373153+00	.19568819+01	.15669825+00	.34026700+01	.66761648+00
.19416786+00	.19569105+01	.15630884+00	.34201199+01	.67255067+00
.19460420+00	.19569397+01	.15591943+00	.34376408+01	.67755415+00
.19504053+00	.19569695+01	.15552996+00	.34554396+01	.68262870+00
.19547686+00	.19570000+01	.15514037+00	.34735245+01	.68777630+00
.19591318+00	.19570313+01	.15475063+00	.34919026+01	.69299874+00
.19634951+00	.19570632+01	.15436067+00	.35105830+01	.69829825+00
.19678583+00	.19570958+01	.15397044+00	.35295740+01	.70367691+00
.19722216+00	.19571290+01	.15357988+00	.35488849+01	.70913699+00
.19765848+00	.19571630+01	.15318894+00	.35685247+01	.71468075+00
.19809481+00	.19571975+01	.15279754+00	.35885036+01	.72031069+00
.19853113+00	.19572328+01	.15240665+00	.36088316+01	.72602929+00
.19896746+00	.19572688+01	.15201318+00	.36295193+01	.73183917+00
.19940378+00	.19573054+01	.15162009+00	.36505781+01	.73774309+00
.19984011+00	.19573428+01	.15122630+00	.36720197+01	.74374399+00
.20027643+00	.19573809+01	.15083174+00	.36938562+01	.74984483+00
.20071276+00	.19574197+01	.15043634+00	.37161008+01	.75604883+00
.20114908+00	.19574592+01	.15004004+00	.37387667+01	.76235924+00
.20158540+00	.19574995+01	.14964276+00	.37618660+01	.76877954+00
.20202173+00	.19575406+01	.14924441+00	.37854199+01	.77531344+00
.20245805+00	.19575824+01	.14884493+00	.38094378+01	.78196471+00
.20289438+00	.19576250+01	.14844423+00	.38339383+01	.78873742+00
.20333070+00	.19576684+01	.14804222+00	.38589385+01	.79563576+00
.20376703+00	.19577127+01	.14763882+00	.38844569+01	.80266423+00
.20420335+00	.19577577+01	.14723756+00	.39012180+01	.80972737+00

$$.22432829+01 = \Delta S/R$$

$$.42042945+02 = P_s/P_{\infty}$$

$$.38413737+01 = \rho_s/\rho_{\infty}$$

$$.10944768+02 = T_s/T_{\infty}$$

TABLE 89. CONICAL FLOWFIELD $\theta_s = 10.0$ DEG; $M_\infty = 30.0$

u_s	M_∞	θ_s	θ_w	
.97852127+00	.29999893+02	.17453292+00	.20355278+00	
θ	M_1^*	ψ_1	x	r
.17453292+00	.19570058+01	.17453292+00	.28356408+01	.50000000+00
.17496925+00	.19570062+01	.17499766+00	.28455726+01	.50303152+00
.17540558+00	.19570073+01	.17366430+00	.28556134+01	.50609152+00
.17584192+00	.19570092+01	.17323337+00	.28657648+01	.50918043+00
.17627825+00	.19570117+01	.17280423+00	.28760288+01	.51229873+00
.17671458+00	.19570150+01	.17237702+00	.28864073+01	.51544692+00
.17715091+00	.19570190+01	.17195168+00	.28969024+01	.51862553+00
.17758724+00	.19570237+01	.17152815+00	.29075162+01	.52183510+00
.17802358+00	.19570290+01	.17110639+00	.29182509+01	.52507617+00
.17845991+00	.19570351+01	.17068634+00	.29291086+01	.52834933+00
.17889624+00	.19570418+01	.17026794+00	.29400918+01	.53165518+00
.17933257+00	.19570492+01	.16985115+00	.29512028+01	.53499427+00
.17976891+00	.19570573+01	.16943592+00	.29624439+01	.53836726+00
.18020524+00	.19570660+01	.16902219+00	.29738176+01	.54177476+00
.18064157+00	.19570754+01	.16860992+00	.29853265+01	.54521739+00
.18107790+00	.19570854+01	.16819905+00	.29969734+01	.54869590+00
.18151423+00	.19570961+01	.16778954+00	.30087608+01	.55221090+00
.18195057+00	.19571074+01	.16738135+00	.30206915+01	.55576314+00
.18238690+00	.19571193+01	.16697442+00	.30327684+01	.55935331+00
.18282323+00	.19571319+01	.16656871+00	.30449945+01	.56298218+00
.18325956+00	.19571451+01	.16616417+00	.30573727+01	.56665049+00
.18369589+00	.19571589+01	.16576075+00	.30699064+01	.57035910+00
.18413223+00	.19571734+01	.16535841+00	.30825986+01	.57410876+00
.18456856+00	.19571885+01	.16495710+00	.30954528+01	.57790036+00
.18500489+00	.19572042+01	.16455678+00	.31084723+01	.58173475+00
.18544122+00	.19572205+01	.16415741+00	.31216607+01	.58561277+00
.18587755+00	.19572375+01	.16375893+00	.31350217+01	.58953542+00
.18631389+00	.19572550+01	.16336130+00	.31485589+01	.59350358+00
.18675022+00	.19572732+01	.16296447+00	.31622765+01	.59751830+00
.18718655+00	.19572919+01	.16256841+00	.31761783+01	.60158053+00
.18762288+00	.19573113+01	.16217307+00	.31902686+01	.60569138+00
.18805921+00	.19573313+01	.16177839+00	.32045515+01	.60985182+00
.18849555+00	.19573519+01	.16138435+00	.32190318+01	.61406311+00
.18893188+00	.19573731+01	.16099088+00	.32337136+01	.61832625+00
.18936821+00	.19573950+01	.16059794+00	.32486022+01	.62264255+00
.18980454+00	.19574174+01	.16020550+00	.32637019+01	.62701313+00
.19024087+00	.19574404+01	.15981350+00	.32790185+01	.63143939+00
.19067721+00	.19574641+01	.15942189+00	.32945567+01	.63592253+00
.19111354+00	.19574884+01	.15903063+00	.33103223+01	.64046397+00
.19154987+00	.19575132+01	.15863968+00	.33263210+01	.64506514+00

TABLE 89. (Concluded)

$M_{\infty} = .29999893 + j2$		$\Theta_s = .17453292 + j0$		
Θ	M_1^*	ψ_1	x	r
.19198620+j0	.19575388+j1	.15824898+j0	.33425585+j01	.64972749+j00
.19242254+j0	.19575649+j1	.15785848+j00	.33590409+j01	.65445252+j00
.19285887+j0	.19575916+j1	.15746815+j00	.33757748+j01	.65924183+j00
.19329520+j0	.19576190+j1	.15707792+j00	.33927666+j01	.66409706+j00
.19373153+j0	.19576470+j1	.15668774+j00	.34100231+j01	.66901988+j00
.19416786+j0	.19576756+j1	.15629758+j00	.34275514+j01	.67401203+j00
.19460420+j0	.19577049+j1	.15590736+j00	.34453589+j01	.67907538+j00
.19504053+j0	.19577348+j1	.15551715+j00	.34634532+j01	.68421180+j00
.19547685+j0	.19577655+j1	.15512659+j00	.34818424+j01	.68942327+j00
.19591318+j0	.19577969+j1	.15473593+j00	.35005348+j01	.69471185+j00
.19634950+j0	.19578289+j1	.15434500+j00	.35195394+j01	.70007976+j00
.19678583+j0	.19578616+j1	.15395375+j00	.35388652+j01	.70552923+j00
.19722215+j0	.19578950+j1	.15356212+j00	.35585216+j01	.71106256+j00
.19765848+j0	.19579291+j1	.15317005+j00	.35785185+j01	.71668222+j00
.19809480+j0	.19579638+j1	.15277749+j00	.35988662+j01	.72239073+j00
.19853112+j0	.19579992+j1	.15238436+j00	.36195754+j01	.72819072+j00
.19896745+j0	.19580353+j1	.15199060+j00	.36406574+j01	.73408496+j00
.19940377+j0	.19580721+j1	.15159615+j00	.36621242+j01	.74007641+j00
.19984010+j0	.19581096+j1	.15120094+j00	.36839800+j01	.74616806+j00
.20027642+j0	.19581479+j1	.15080490+j00	.37062618+j01	.75236310+j00
.20071275+j0	.19581869+j1	.15040795+j00	.37289594+j01	.75866490+j00
.20114907+j0	.19582267+j1	.15001002+j00	.37520952+j01	.76507697+j00
.20158540+j0	.19582672+j1	.14961103+j00	.37756838+j01	.77160293+j00
.20202172+j0	.19583085+j1	.14921090+j00	.37997411+j01	.77824663+j00
.20245805+j0	.19583505+j1	.14880955+j00	.38242839+j01	.78501216+j00
.20289437+j0	.19583934+j1	.14840689+j00	.38493296+j01	.79190377+j00
.20333070+j0	.19584371+j1	.14800283+j00	.38748967+j01	.79892600+j00
.20355278+j0	.19584816+j1	.14779659+j00	.38881167+j01	.80255195+j00

$$.24640888+j01 = \Delta S/R$$

$$.49786623+j02 = P_s/P_{\infty}$$

$$.38920494+j01 = \rho_s/\rho_{\infty}$$

$$.12791879+j02 = T_s/T_{\infty}$$

TABLE 90. CONICAL FLOWFIELD $\theta_s = 12.5 \text{ DEG}$; $M_\infty = 1.1837936$

u_s	M_∞	θ_s	θ_w	
.50000938+00	.11837936+01	.21816615+00	.10579674+01	
θ	M^*_1	ψ_1	x	r
.21816615+00	.10000000+01	.21816615+00	.22553542+01	.50000000+00
.24347341+00	.10005360+01	.19544342+00	.22444730+01	.55752994+00
.26878067+00	.10018292+01	.17690581+00	.22367189+01	.61609493+00
.29406793+00	.10035693+01	.16146386+00	.22316253+01	.67589284+00
.31939519+00	.10055767+01	.14837711+00	.22288768+01	.73713035+00
.34470245+00	.10077440+01	.13712410+00	.22282577+01	.80002607+00
.37000971+00	.10100052+01	.12732657+00	.22296313+01	.86481677+00
.39269898+00	.10120784+01	.11954775+00	.22324859+01	.92472566+00
.41538825+00	.10141755+01	.11255645+00	.22368430+01	.98656502+00
.43807752+00	.10162843+01	.10622916+00	.22426988+01	.10505565+01
.46076678+00	.10183975+01	.10046667+00	.22500728+01	.11169454+01
.48345605+00	.10205106+01	.95188271-01	.22590075+01	.11860050+01
.50614527+00	.10226214+01	.90327419-01	.22695676+01	.12580412+01
.52621637+00	.10244864+01	.86331092-01	.22803347+01	.13245226+01
.54628748+00	.10263497+01	.82585953-01	.22925217+01	.13938732+01
.56635858+00	.10282123+01	.79064213-01	.23062242+01	.14663965+01
.58642969+00	.10300756+01	.75741693-01	.23215585+01	.15424366+01
.60650079+00	.10319414+01	.72597407-01	.23386635+01	.16223846+01
.62657189+00	.10338121+01	.69612615-01	.23577047+01	.17066888+01
.64402503+00	.10354447+01	.67133978-01	.23759881+01	.17839369+01
.66147816+00	.10370847+01	.64753860-01	.23960366+01	.18652573+01
.67893130+00	.10387341+01	.62463365-01	.24180285+01	.19510959+01
.69638443+00	.10403954+01	.60254440-01	.24421713+01	.20419641+01
.71383756+00	.10420709+01	.58119617-01	.24687100+01	.21384546+01
.73129070+00	.10437634+01	.56052007-01	.24979341+01	.22412579+01
.74612586+00	.10452178+01	.54342523-01	.25251407+01	.23342048+01
.76096103+00	.10466867+01	.52673101-01	.25547835+01	.24328751+01
.77579619+00	.10481784+01	.51040016-01	.25871540+01	.25379414+01
.79063135+00	.10496895+01	.49439877-01	.26225951+01	.26501888+01
.80546652+00	.10512248+01	.47869124-01	.26615147+01	.27705417+01
.82030168+00	.10527875+01	.46324283-01	.27043998+01	.29000959+01
.83251888+00	.10540975+01	.45069076-01	.27431059+01	.30146148+01
.84473607+00	.10554307+01	.43827102-01	.27852899+01	.31371268+01
.85695326+00	.10567898+01	.42596310-01	.28314162+01	.32686538+01
.86917046+00	.10581775+01	.41374549-01	.28820397+01	.34104091+01
.88138765+00	.10595971+01	.40159494-01	.29378292+01	.35638455+01
.89360484+00	.10610526+01	.38948722-01	.29996003+01	.37307218+01
.90320407+00	.10622240+01	.37998646-01	.30529754+01	.38726504+01
.91280329+00	.10634227+01	.37048087-01	.31112483+01	.40254524+01
.92240252+00	.10646515+01	.36095455-01	.31751275+01	.41906301+01

TABLE 90. (Concluded)

$$M_{\infty} = .11837936+01$$

$$\Theta_s = .21816615+00$$

Θ	M_1^*	ψ_1	x	r
.93200174+00	.10659136+01	.35138965-01	.32454718+01	.43699942+01
.94160096+00	.10672128+01	.34176573-01	.33233337+01	.45657521+01
.95120019+00	.10685537+01	.33205941-01	.34100198+01	.47806283+01
.95818144+00	.10695581+01	.32493308-01	.34795287+01	.49508231+01
.96516269+00	.10705898+01	.31773642-01	.35553426+01	.51345187+01
.97214395+00	.10716515+01	.31045526-01	.36384014+01	.53336461+01
.97912520+00	.10727466+01	.30307323-01	.37298515+01	.55505505+01
.98610646+00	.10738790+01	.29557183-01	.38311112+01	.57881200+01
.99308771+00	.10750533+01	.28792739-01	.39439577+01	.60499576+01
.99745099+00	.10758110+01	.28306499-01	.40213526+01	.62227912+01
.10018142+01	.10765890+01	.27812779-01	.41048236+01	.64184667+01
.10061775+01	.10773890+01	.27310640-01	.41951759+01	.66232370+01
.10105407+01	.10782133+01	.26799053-01	.42933754+01	.68441511+01
.10149039+01	.10790644+01	.26276797-01	.44005900+01	.70835345+01
.10192671+01	.10799454+01	.25742367-01	.45182513+01	.73442270+01
.10236295+01	.10808596+01	.25194243-01	.46481112+01	.76296876+01
.10279918+01	.10818118+01	.24630070-01	.47924292+01	.79443727+01
.10323541+01	.10828071+01	.24047121-01	.49540865+01	.82939390+01
.10367164+01	.10838527+01	.23442075-01	.51368632+01	.86857800+01
.10410787+01	.10849572+01	.22810563-01	.53458521+01	.91298170+01
.10454411+01	.10861324+01	.22146806-01	.55881336+01	.96397882+01
.10498034+01	.10873945+01	.21442816-01	.58739547+01	.10235492+02
.10541657+01	.10887670+01	.20686999-01	.62189247+01	.10946951+02
.10579674+01	.10900807+01	.19972250-01	.65873002+01	.11698721+02

$$.36496669-04 = \Delta S/R$$

$$.12700000+01 = P_s/P_{\infty}$$

$$.11541830+01 = \rho_s/\rho_{\infty}$$

$$.11003455+01 = T_s/T_{\infty}$$

TABLE 91. CONICAL FLOWFIELD $\theta_s = 12.5$ DEG; $M_\infty = 1.5$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.59855613+00	.14999977+01	.21816615+00	.76699745+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.21816615+00	.11970898+01	.21816615+00	.22553542+01	.50000000+00
.23387410+00	.11973539+01	.20349238+00	.22773503+01	.54254133+00
.24958206+00	.11980412+01	.19061422+00	.23006882+01	.58648898+00
.26529001+00	.11990335+01	.17919943+00	.23260420+01	.63197154+00
.28099797+00	.12002487+01	.16899373+00	.23528998+01	.67912951+00
.29670592+00	.12016290+01	.15979877+00	.23815655+01	.72811763+00
.31241388+00	.12031330+01	.15145732+00	.24121619+01	.77910689+00
.32812183+00	.12047305+01	.14384302+00	.24448285+01	.83228733+00
.34208446+00	.12062114+01	.13760157+00	.24757343+01	.88156912+00
.35604709+00	.12077374+01	.13179305+00	.25085345+01	.93291536+00
.37000971+00	.12093000+01	.12636648+00	.25433769+01	.98651063+00
.38397334+00	.12108928+01	.12127831+00	.25804295+01	.10425609+01
.39793497+00	.12125111+01	.11649102+00	.26198834+01	.11012972+01
.41189759+00	.12141512+01	.11197202+00	.26619562+01	.11629797+01
.42586022+00	.12158111+01	.10769290+00	.27068969+01	.12279025+01
.43807752+00	.12172785+01	.10412582+00	.27487960+01	.12876297+01
.45029482+00	.12187593+01	.10070832+00	.27933268+01	.13503465+01
.46251211+00	.12202535+01	.97427007+00	.28407375+01	.14163390+01
.47472941+00	.12217612+01	.94269607+00	.28913108+01	.14859314+01
.48694671+00	.12232830+01	.91224942+00	.29453700+01	.15594925+01
.49916401+00	.12248198+01	.88282779+00	.30032871+01	.16374447+01
.51138121+00	.12263726+01	.85433498+00	.30654916+01	.17202726+01
.52185309+00	.12277176+01	.83058586+00	.31225993+01	.17955727+01
.53232497+00	.12290765+01	.80740198+00	.31835876+01	.18752744+01
.54279685+00	.12304507+01	.78473285+00	.32488748+01	.19598442+01
.55326873+00	.12318416+01	.76253086+00	.33189441+01	.20498186+01
.56374061+00	.12332509+01	.74074297+00	.33943576+01	.21458203+01
.57421249+00	.12346805+01	.71933836+00	.34757737+01	.22485747+01
.58468437+00	.12361326+01	.69825605+00	.35639676+01	.23589339+01
.59534109+00	.12373616+01	.68090476+00	.36432994+01	.24574310+01
.60213751+00	.12386097+01	.66372119+00	.37286016+01	.25625909+01
.61084407+00	.12398787+01	.64667799+00	.38206089+01	.26752125+01
.61959064+00	.12411707+01	.62974602+00	.39201854+01	.27962336+01
.62831721+00	.12424881+01	.61289534+00	.40283590+01	.29267659+01
.63709377+00	.12438337+01	.59609324+00	.41463606+01	.30661364+01
.64577034+00	.12452107+01	.57930365+00	.42756785+01	.32219449+01
.65275159+00	.12463374+01	.56585558+00	.43884909+01	.33552439+01
.65973285+00	.12474888+01	.55236936+00	.45108299+01	.34989466+01
.66671410+00	.12486674+01	.53882048+00	.46440426+01	.36544885+01
.67369536+00	.12498762+01	.52518152+00	.47897567+01	.38235989+01

TABLE 91. (Concluded)

$M_{\infty} = +14902777+01$			$\Theta_g = +21816615+00$	
\underline{Q}	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.68067661+00	.12511167+01	.51142208+01	.49499809+01	.40083645+01
.68765786+00	.12523968+01	.497760566+01	.51271141+01	.42114429+01
.69463912+00	.12537216+01	.48339128+01	.53292993+01	.44360214+01
.69987806+00	.12547450+01	.47264869+01	.54876567+01	.46210192+01
.70511100+00	.12557967+01	.46173587+01	.56665460+01	.48225880+01
.71034694+00	.12568861+01	.45063294+01	.58635060+01	.50433896+01
.71558210+00	.12580114+01	.43930262+01	.60816675+01	.52866993+01
.72081688+00	.12591798+01	.42770386+01	.63251247+01	.55567119+01
.72605166+00	.12603972+01	.41578654+01	.65990270+01	.58588277+01
.73128644+00	.12616719+01	.40348818+01	.69102439+01	.62001258+01
.73477629+00	.12629582+01	.39103105+01	.71428916+01	.64540027+01
.73826614+00	.12634779+01	.38634248+01	.73997411+01	.67331362+01
.74175599+00	.12644356+01	.37738159+01	.76853246+01	.70421761+01
.74524564+00	.12654368+01	.36810309+01	.80054916+01	.73871105+01
.74873570+00	.12664888+01	.35849559+01	.83679664+01	.77758276+01
.75222555+00	.12676007+01	.34834668+01	.87832351+01	.82190168+01
.75571540+00	.12687846+01	.33769468+01	.92660038+01	.87316273+01
.75920525+00	.12694091+01	.32612170+01	.98390513+01	.90204052+01
.76269510+00	.12700583+01	.32635617+01	.96377950+01	.93354763+01
.76618496+00	.12707360+01	.32036766+01	.10166789+02	.96814382+01
.76967481+00	.12714464+01	.31412675+01	.10531860+02	.10064186+02
.77316466+00	.12721946+01	.30758247+01	.10940677+02	.10491939+02
.77665451+00	.12729863+01	.30068368+01	.11403565+02	.10973594+02
.78014436+00	.12733757+01	.29732890+01	.11641424+02	.11220697+02

$$.78571960+04 = \Delta S/R$$

$$.13364749+01 = P_g/P_{\infty}$$

$$.11500374+01 = \rho_g/\rho_{\infty}$$

$$.11230510+01 = T_g/T_{\infty}$$

TABLE 92. CONICAL FLOWFIELD $\theta_s = 12.5 \text{ DEG}$; $M_\infty = 2.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.70375786+00	.19999933+01	.21816615+00	.57114084+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.21816615+00	.14074893+01	.21816615+00	.22553542+01	.50000000+00
.22863812+00	.14076325+01	.20816317+00	.22838276+01	.53146330+00
.23911009+00	.14080223+01	.19900597+00	.23139296+01	.56407516+00
.24958206+00	.14086105+01	.19057603+00	.23457635+01	.59792755+00
.26005403+00	.14093600+01	.18277624+00	.23794464+01	.63312165+00
.27052600+00	.14102422+01	.17552605+00	.24151116+01	.66976961+00
.28012531+00	.14111483+01	.16930501+00	.24496730+01	.70474642+00
.28972461+00	.14121334+01	.16344466+00	.24861559+01	.74115513+00
.29932392+00	.14131867+01	.15790872+00	.25247063+01	.77911332+00
.30892322+00	.14142993+01	.15265784+00	.25654876+01	.81875136+00
.31852253+00	.14154651+01	.14766879+00	.26086846+01	.86021500+00
.32724917+00	.14165637+01	.14333699+00	.26502258+01	.89963023+00
.33597581+00	.14176985+01	.13918128+00	.26941116+01	.94082567+00
.34470245+00	.14188657+01	.13518602+00	.27405398+01	.98395408+00
.35342909+00	.14200634+01	.13133711+00	.27897339+01	.10291869+01
.36215574+00	.14212900+01	.12762149+00	.28419462+01	.10767168+01
.37000971+00	.14224177+01	.12438168+00	.28917537+01	.11216370+01
.37786369+00	.14235675+01	.12123223+00	.29444740+01	.11687728+01
.38571767+00	.14247392+01	.11816563+00	.30003740+01	.12183252+01
.39357165+00	.14259327+01	.11517486+00	.30597569+01	.12705218+01
.40142562+00	.14271484+01	.11225308+00	.31229673+01	.13256206+01
.40840694+00	.14282480+01	.10970878+00	.31826862+01	.13772709+01
.41536825+00	.14293662+01	.10720954+00	.32460575+01	.14316815+01
.42236956+00	.14305036+01	.10475126+00	.33134412+01	.14891191+01
.42935088+00	.14316610+01	.10232968+00	.33852495+01	.15498877+01
.43633219+00	.14328396+01	.99940673+00	.34619556+01	.16143359+01
.44244084+00	.14338893+01	.97873773+00	.35335196+01	.16740607+01
.44854949+00	.14349572+01	.95825829+00	.36096735+01	.17372179+01
.45465814+00	.14360445+01	.93794033+00	.36909011+01	.18041609+01
.46076678+00	.14371525+01	.91775358+00	.37777622+01	.18752968+01
.46687543+00	.14382828+01	.89766797+00	.38709044+01	.19510958+01
.47211142+00	.14392708+01	.88050760+00	.39563116+01	.20201915+01
.47734740+00	.14402777+01	.86337604+00	.40474440+01	.20935168+01
.48258339+00	.14413050+01	.84625024+00	.41449428+01	.21715307+01
.48781937+00	.14423544+01	.82910560+00	.42495665+01	.22547737+01
.49305536+00	.14434278+01	.81191473+00	.43621622+01	.23438734+01
.49741868+00	.14444342+01	.79753302+00	.44628475+01	.24231275+01
.50178199+00	.14452763+01	.78307964+00	.45705029+01	.25074627+01
.50614527+00	.14462316+01	.76853402+00	.46859484+01	.25974622+01
.51050855+00	.14472101+01	.75387292+00	.48101484+01	.26938109+01

TABLE 92. (Concluded)

$$M_{\infty} = +19999933+01$$

$$\Theta_s = +21816615+00$$

Θ	M_1^*	ψ_1	x	r
.51487096+00	.14482151+01	.73907152-01	.49442166+01	.27972955+01
.51836082+00	.14490390+01	.72710864-01	.50594980+01	.28858734+01
.52185067+00	.14498823+01	.71501918-01	.51828019+01	.29802241+01
.52534052+00	.14507465+01	.70278376-01	.53150918+01	.30810255+01
.52883037+00	.14516336+01	.69038011-01	.54575059+01	.31890768+01
.53232022+00	.14525458+01	.67778379-01	.56113995+01	.33053276+01
.53493761+00	.14532481+01	.66619221-01	.57353206+01	.33985731+01
.53755500+00	.14539672+01	.65846220-01	.58674195+01	.34976329+01
.54017239+00	.14547047+01	.64857654-01	.60086416+01	.36031659+01
.54278978+00	.14554621+01	.63851818-01	.61600996+01	.37159456+01
.54540717+00	.14562414+01	.62826581-01	.63231095+01	.38368859+01
.54715209+00	.14567742+01	.62131114-01	.64389642+01	.39225758+01
.54889702+00	.14573185+01	.61425105-01	.65611907+01	.40127497+01
.55064195+00	.14578750+01	.60707696-01	.66904086+01	.41078360+01
.55238687+00	.14584449+01	.59977792-01	.68273290+01	.42083254+01
.55413160+00	.14590290+01	.59234254-01	.69727737+01	.43147845+01
.55587672+00	.14596287+01	.58475770-01	.71276954+01	.44278691+01
.55762165+00	.14602454+01	.57700805-01	.72932125+01	.45483482+01
.55936658+00	.14608807+01	.56907650-01	.74706469+01	.46771290+01
.56111150+00	.14615364+01	.56094006-01	.76615699+01	.48152890+01
.56285643+00	.14622149+01	.55257700-01	.78678813+01	.49641285+01
.56460135+00	.14629187+01	.54395802-01	.80918968+01	.51252303+01
.56634628+00	.14636512+01	.53504772-01	.83364820+01	.53005499+01
.56809121+00	.14644162+01	.52580342-01	.86052459+01	.54925463+01
.56983613+00	.14652188+01	.51617078-01	.89028144+01	.57043659+01
.57114084+00	.14658470+01	.50867498-01	.91476927+01	.58781176+01

$$.56178868-03 = \Delta S/R$$

$$.15043755+01 = P_s/P_{\infty}$$

$$.12773621+01 = \rho_s/\rho_{\infty}$$

$$.11777205+01 = T_s/T_{\infty}$$

TABLE 93. CONICAL FLOWFIELD $\theta_s = 12.5$ DEG; $M_\infty = 2.5$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.77280577+00	.24999849+01	.21816615+00	.47313974+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.21816615+00	.15455825+01	.21816615+00	.22553542+01	.50000000+00
.22550380+00	.15456632+01	.21098667+00	.22833756+01	.52401147+00
.23300144+00	.15458888+01	.20424664+00	.23127814+01	.54684982+00
.24041909+00	.15462386+01	.19789703+00	.23436581+01	.57457339+00
.24783673+00	.15466957+01	.19169583+00	.23761023+01	.60124626+00
.25525438+00	.15472463+01	.18620679+00	.24102210+01	.62693861+00
.26267202+00	.15478789+01	.18079834+00	.24461337+01	.65772790+00
.27008967+00	.15485844+01	.17564283+00	.24839733+01	.68769962+00
.27663465+00	.15492610+01	.17128434+00	.25190801+01	.71520263+00
.28317963+00	.15499836+01	.16708871+00	.25559167+01	.74377184+00
.28972461+00	.15507491+01	.16304236+00	.25946093+01	.77348647+00
.29626959+00	.15515537+01	.15913290+00	.26352982+01	.80443417+00
.30281457+00	.15523950+01	.15534903+00	.26761393+01	.83671187+00
.30935955+00	.15532711+01	.15168034+00	.27233066+01	.87042730+00
.31590454+00	.15541801+01	.14811718+00	.27709965+01	.90570108+00
.32157685+00	.15549935+01	.14510754+00	.28145372+01	.93763566+00
.32724917+00	.15558300+01	.14216492+00	.28602971+01	.97093982+00
.33292149+00	.15566894+01	.13928414+00	.29084546+01	.10057215+01
.33859380+00	.15575711+01	.13646019+00	.29592101+01	.10421021+01
.34426612+00	.15584752+01	.13368837+00	.30127871+01	.10802170+01
.34993844+00	.15594018+01	.13096395+00	.30694386+01	.11202184+01
.35561075+00	.15603510+01	.12828249+00	.31294496+01	.11622775+01
.36041041+00	.15611723+01	.12604384+00	.31830915+01	.11996164+01
.36521006+00	.15620106+01	.12383007+00	.32395926+01	.12386998+01
.37000971+00	.15628663+01	.12163860+00	.32992023+01	.12796759+01
.37460937+00	.15637400+01	.11946673+00	.33622010+01	.13227114+01
.37960902+00	.15646326+01	.11731176+00	.34289074+01	.13679949+01
.38440867+00	.15655447+01	.11517888+00	.34996834+01	.14157401+01
.38920832+00	.15664775+01	.11304129+00	.35749434+01	.14661907+01
.39313531+00	.15672568+01	.11130518+00	.36401854+01	.15096749+01
.39706230+00	.15680515+01	.10957267+00	.37090431+01	.15553304+01
.40096929+00	.15688624+01	.10784259+00	.37818537+01	.16033540+01
.40491628+00	.15696904+01	.10611242+00	.38589993+01	.16539687+01
.40884327+00	.15705366+01	.10438029+00	.39409173+01	.17074286+01
.41277026+00	.15714023+01	.10264407+00	.40261093+01	.17640249+01
.41669725+00	.15722886+01	.10090129+00	.41211560+01	.18240935+01
.41975154+00	.15729944+01	.99539805+00	.41980011+01	.18734611+01
.42280581+00	.15737149+01	.98171696+00	.42791595+01	.19253742+01
.42586008+00	.15744507+01	.96795324+00	.43650473+01	.19800719+01
.42891436+00	.15752030+01	.95408995+00	.44561387+01	.20378264+01

TABLE 93. (Concluded)

$$M_{\infty} = .24999849+01$$

$$\Theta_s = .21816615+00$$

Θ	M_1^*	ψ_1	x	r
.43196863+00	.15759731+01	.94010830-01	.45529816+01	.20989513+01
.43502290+00	.15767622+01	.92597892-01	.46562074+01	.21638070+01
.43807717+00	.15775720+01	.91170985-01	.47665524+01	.22328135+01
.44025880+00	.15781642+01	.90139836-01	.48502021+01	.22849143+01
.44244902+00	.15787686+01	.89098165-01	.49382850+01	.23395879+01
.44462204+00	.15793860+01	.88044900-01	.50312126+01	.23970675+01
.44680367+00	.15800175+01	.86978704-01	.51294537+01	.24576185+01
.44898529+00	.15806641+01	.85898172-01	.52335466+01	.25215447+01
.45116691+00	.15813269+01	.84801707-01	.53441098+01	.25891949+01
.45334854+00	.15820073+01	.83687525-01	.54618631+01	.26609741+01
.45465751+00	.15824248+01	.83009642-01	.55363105+01	.27062170+01
.45596648+00	.15828494+01	.82324136-01	.56138523+01	.27532304+01
.45727546+00	.15832818+01	.81630472-01	.56947173+01	.28021426+01
.45858443+00	.15837224+01	.80928539-01	.57791598+01	.28530958+01
.45989341+00	.15841716+01	.80216192-01	.58674640+01	.29062489+01
.46120238+00	.15846300+01	.79494178-01	.59599459+01	.29617783+01
.46251135+00	.15850982+01	.78761227-01	.60569633+01	.30198637+01
.46382033+00	.15855770+01	.78016445-01	.61589197+01	.30807896+01
.46512930+00	.15860670+01	.77258814-01	.62662740+01	.31447515+01
.46643827+00	.15865691+01	.76467239-01	.63795493+01	.32120597+01
.46774725+00	.15870844+01	.75700454-01	.64993478+01	.32830487+01
.46905622+00	.15876139+01	.74896984-01	.66263678+01	.33581051+01
.47036520+00	.15881569+01	.74075155-01	.67614200+01	.34376777+01
.47167417+00	.15887208+01	.73233109-01	.69054615+01	.35222953+01
.47298314+00	.15893015+01	.72366521-01	.70596256+01	.36125832+01
.47313974+00	.15893723+01	.72263494-01	.70788096+01	.36237991+01

$$.25230795-02 = \Delta S/R$$

$$.17144398+01 = P_s/P_{\infty}$$

$$.13809867+01 = \rho_s/\rho_{\infty}$$

$$.12419097+01 = T_s/T_{\infty}$$

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TABLE 94. CONICAL FLOWFIELD $\theta_s = 12.5 \text{ DEG}$; $M_\infty = 3.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.81949562+00	.29999998+01	.21616615+00	.41518334+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.21816615+00	.16389605+01	.21816615+00	.22553542+01	.50000000+00
.22427460+00	.16390191+01	.21221970+00	.22841776+01	.52104902+00
.23038345+00	.16391849+01	.20657493+00	.23143785+01	.54283254+00
.23649210+00	.16394451+01	.20120119+00	.23460461+01	.56540155+00
.24260075+00	.16397093+01	.19607177+00	.23792796+01	.58881211+00
.24870940+00	.16402085+01	.19116318+00	.24141891+01	.61312586+00
.25481804+00	.16406954+01	.18645464+00	.24508967+01	.63841069+00
.26092669+00	.16412437+01	.18192763+00	.24895390+01	.66474190+00
.26703534+00	.16418483+01	.17756550+00	.25302681+01	.69220291+00
.27227133+00	.16424080+01	.17394635+00	.25669688+01	.71671046+00
.27750731+00	.16430036+01	.17042860+00	.26054478+01	.74218120+00
.28274330+00	.16436331+01	.16700424+00	.26458378+01	.76868661+00
.28797928+00	.16442951+01	.16366576+00	.26882866+01	.79630664+00
.29321527+00	.16449882+01	.16040615+00	.27329589+01	.82512879+00
.29845125+00	.16457113+01	.15721877+00	.27800391+01	.85525156+00
.30368724+00	.16464639+01	.15409732+00	.28297341+01	.88678475+00
.30892322+00	.16472452+01	.15103580+00	.28822775+01	.91985190+00
.31328654+00	.16479181+01	.14852612+00	.29284291+01	.94867958+00
.31764986+00	.16486109+01	.14605075+00	.29769136+01	.97875918+00
.32201318+00	.16493237+01	.14360647+00	.30279230+01	.10101913+01
.32637651+00	.16500565+01	.14119010+00	.30816730+01	.10430685+01
.33073983+00	.16508099+01	.13879846+00	.31384061+01	.10775771+01
.33510315+00	.16515841+01	.13642832+00	.31983959+01	.11137990+01
.33946647+00	.16523800+01	.13407646+00	.32619542+01	.11519157+01
.34382979+00	.16531982+01	.13173956+00	.33294367+01	.11921106+01
.34732044+00	.16538695+01	.12987849+00	.33865201+01	.12259029+01
.35081110+00	.16545564+01	.12802294+00	.34466122+01	.12612806+01
.35430176+00	.16552594+01	.12617099+00	.35099805+01	.12983809+01
.35779241+00	.16559793+01	.12432063+00	.35769275+01	.13373580+01
.36128307+00	.16567171+01	.12246972+00	.36477974+01	.13783874+01
.36477373+00	.16574737+01	.12061595+00	.37229834+01	.14216687+01
.36826436+00	.16582509+01	.11875699+00	.38029372+01	.14674309+01
.37175496+00	.16590503+01	.11689017+00	.38881817+01	.15159379+01
.37437291+00	.16596648+01	.11546297+00	.39559506+01	.15543029+01
.37699085+00	.16602929+01	.11406821+00	.40273320+01	.15945323+01
.37960880+00	.16609386+01	.11264438+00	.41026599+01	.16367938+01
.38222675+00	.16615938+01	.11120978+00	.41823151+01	.16812782+01
.38484470+00	.16622684+01	.10976260+00	.42667328+01	.17282027+01
.38746265+00	.16629608+01	.10830085+00	.43564153+01	.17778178+01
.39008059+00	.16636724+01	.10682222+00	.44519454+01	.18304134+01

TABLE 94. (Concluded)

$$M_{\infty} = .29999998+01$$

$$\Theta_s = .21816615+00$$

Θ	M_1^*	ψ_1	x	r
.39269854+00	.16644047+01	.10532411+00	.45540026+01	.18863267+01
.39444384+00	.16649054+01	.10431318+00	.46260560+01	.19256381+01
.39618914+00	.16654168+01	.10329128+00	.47016363+01	.19667337+01
.39793444+00	.16659395+01	.10225742+00	.47810505+01	.20097650+01
.39967974+00	.16664744+01	.10121036+00	.48646473+01	.20549037+01
.40142503+00	.16670222+01	.10014876+00	.49528236+01	.21023448+01
.40317033+00	.16675841+01	.99071100-01	.50460318+01	.21523106+01
.40491563+00	.16681610+01	.97975856-01	.51447951+01	.22050574+01
.40666093+00	.16687543+01	.96860956-01	.52497191+01	.22608813+01
.40753358+00	.16693576+01	.96295450-01	.53047083+01	.22900532+01
.40840623+00	.16693655+01	.95724199-01	.53615127+01	.23201285+01
.40927888+00	.16696782+01	.95146835-01	.54202405+01	.23511601+01
.41015153+00	.16699962+01	.94563804-01	.54810099+01	.23832054+01
.41102418+00	.16703195+01	.93972344-01	.55439507+01	.24163276+01
.41189682+00	.16706484+01	.93374405-01	.56092049+01	.24505955+01
.41276947+00	.16709633+01	.92768736-01	.56769286+01	.24860849+01
.41364212+00	.16713244+01	.92164490-01	.57472939+01	.25228794+01
.41451477+00	.16716723+01	.91532297-01	.58204908+01	.25610708+01
.41518334+00	.16719435+01	.91048945-01	.58786169+01	.25913394+01

$$.75941533-02 = \Delta S/R$$

$$.19632718+01 = P_s/P_{\infty}$$

$$.14943952+01 = \rho_s/\rho_{\infty}$$

$$.13137568+01 = T_s/T_{\infty}$$

TABLE 95. CONICAL FLOWFIELD $\theta_s = 12.5$ DEG; $M_\infty = 4.0$

u_s	M_∞	θ_s	θ_w	
.87539629+00	.39999987+01	.21816615+00	.35169780+00	
θ	M_1^*	ψ_1	x	r
.21816615+00	.17507597+01	.21816615+00	.22553542+01	.50000000+00
.22165681+00	.17507806+01	.21472909+00	.22773778+01	.51322923+00
.22514746+00	.17508410+01	.21139404+00	.23001562+01	.52660607+00
.22863812+00	.17509381+01	.20815372+00	.23237267+01	.54074810+00
.23212678+00	.17510694+01	.20500150+00	.23481293+01	.55567420+00
.23561943+00	.17512331+01	.20193126+00	.23734075+01	.56980469+00
.23911009+00	.17514268+01	.19893737+00	.23996083+01	.58496138+00
.24260075+00	.17516491+01	.19601402+00	.24267824+01	.60056786+00
.24609140+00	.17518983+01	.19315814+00	.24549848+01	.61664949+00
.24958206+00	.17521732+01	.19036340+00	.24842754+01	.63323379+00
.25307272+00	.17524726+01	.18762416+00	.25147192+01	.65035051+00
.25656337+00	.17527955+01	.18494236+00	.25463870+01	.66803205+00
.26005403+00	.17531410+01	.18230824+00	.25793563+01	.68631355+00
.26354469+00	.17535085+01	.17972018+00	.26137119+01	.70523350+00
.26703534+00	.17538972+01	.17717472+00	.26495467+01	.72483383+00
.27052600+00	.17543066+01	.17466854+00	.26869631+01	.74516072+00
.27314399+00	.17546270+01	.17228127+00	.27161306+01	.76091285+00
.27576198+00	.17549588+01	.17007759+00	.27463027+01	.77712520+00
.27837998+00	.17553016+01	.16915673+00	.27775354+01	.79382284+00
.28099797+00	.17556560+01	.16735384+00	.28098896+01	.81103262+00
.28361596+00	.17560213+01	.16566627+00	.28434313+01	.82878451+00
.28623395+00	.17563978+01	.16379245+00	.28782315+01	.84710946+00
.28885195+00	.17567854+01	.16203123+00	.29143683+01	.86604221+00
.29146994+00	.17571843+01	.16028132+00	.29519268+01	.88562033+00
.29408793+00	.17575945+01	.15854147+00	.29909998+01	.90588473+00
.29670592+00	.17580163+01	.15681038+00	.30316892+01	.92688024+00
.29932392+00	.17584498+01	.15508673+00	.30741070+01	.94865599+00
.30194191+00	.17588953+01	.15336916+00	.31183769+01	.97126604+00
.30455990+00	.17593530+01	.15165629+00	.31646352+01	.99477008+00
.30717789+00	.17598233+01	.14994666+00	.32130336+01	.10192341+01
.30979589+00	.17603066+01	.14823870+00	.32637411+01	.10447315+01
.31154121+00	.17608032+01	.14710027+00	.32989213+01	.10623440+01
.31328654+00	.17609720+01	.14596154+00	.33352727+01	.10804786+01
.31503187+00	.17613140+01	.14482178+00	.33728615+01	.10991639+01
.31677718+00	.17616631+01	.14368065+00	.34117593+01	.11184308+01
.31852248+00	.17620169+01	.14253752+00	.34520447+01	.11383132+01
.32026777+00	.17623817+01	.14139178+00	.34938032+01	.11588477+01
.32201307+00	.17627517+01	.14024279+00	.35371279+01	.11800744+01
.32375837+00	.17631291+01	.13908986+00	.35821203+01	.12020368+01
.32550367+00	.17635141+01	.13793238+00	.36288916+01	.12247625+01

TABLE 95. (Concluded)

$$M_{\infty} = .39999987+01$$

$$\Theta_s = .21816615+00$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.32724897+00	.17639073+01	.13676945+00	.36775651+01	.12483640+01
.32899427+00	.17643088+01	.13560040+00	.37282757+01	.12728390+01
.33073957+00	.17647191+01	.13442429+00	.37811736+01	.12982713+01
.33248486+00	.17651387+01	.13324023+00	.38364246+01	.13247313+01
.33423016+00	.17655679+01	.13204714+00	.38942147+01	.13522960+01
.33597546+00	.17660075+01	.13084393+00	.39547511+01	.13810591+01
.33684811+00	.17662313+01	.13023816+00	.39861209+01	.13959177+01
.33772076+00	.17664579+01	.12962939+00	.40182670+01	.14111129+01
.33859341+00	.17666873+01	.12901748+00	.40512235+01	.14266588+01
.33946606+00	.17669198+01	.12840220+00	.40850262+01	.14425708+01
.34033871+00	.17671553+01	.12778335+00	.41197137+01	.14588648+01
.34121136+00	.17673940+01	.12716079+00	.41553273+01	.14755563+01
.34208401+00	.17676359+01	.12653426+00	.41919107+01	.14926697+01
.34295665+00	.17678813+01	.12590355+00	.42295113+01	.15102168+01
.34382930+00	.17681302+01	.12526842+00	.42681797+01	.15282269+01
.34470195+00	.17683826+01	.12462859+00	.43079699+01	.15467164+01
.34557460+00	.17686391+01	.12398380+00	.43489413+01	.15657123+01
.34644725+00	.17688994+01	.12333376+00	.43911565+01	.15852407+01
.34731990+00	.17691639+01	.12267819+00	.44346838+01	.16053300+01
.34819255+00	.17694326+01	.12201669+00	.44795972+01	.16260111+01
.34906520+00	.17697059+01	.12134893+00	.45259768+01	.16473175+01
.34993785+00	.17699838+01	.12067455+00	.45739104+01	.16692855+01
.35081050+00	.17702667+01	.11999307+00	.46234934+01	.16919547+01
.35168315+00	.17705547+01	.11930411+00	.46748303+01	.17153666+01
.35169780+00	.17705596+01	.11929249+00	.46757077+01	.17157683+01

$$.33282280-01 = \Delta S/R$$

$$.25776198+01 = P_s/P_{\infty}$$

$$.17415842+01 = \rho_s/\rho_{\infty}$$

$$.14800432+01 = T_s/T_{\infty}$$

TABLE 96. CONICAL FLOWFIELD $\theta_s = 12.5$ DEG; $M_\infty = 5.0$

u_s	M_∞	θ_s	θ_w	
.90564438+00	.49999846+01	.21816615+00	.31910178+00	
θ	M^*_1	ψ_1	x	r
.21816615+00	.18112548+01	.21816615+00	.22553542+01	.50000000+00
.22165681+00	.18112763+01	.21472868+00	.22821712+01	.51430947+00
.22514746+00	.18113388+01	.21139242+00	.23100798+01	.52907886+00
.22863812+00	.18114395+01	.20814843+00	.23391465+01	.54433641+00
.23212878+00	.18115758+01	.20498933+00	.23694450+01	.56011301+00
.23561943+00	.18117457+01	.20190817+00	.24010555+01	.57644236+00
.23911009+00	.18119474+01	.19889851+00	.24340665+01	.59336139+00
.24216441+00	.18121486+01	.19631902+00	.24641767+01	.60868111+00
.24521874+00	.18123721+01	.19378594+00	.24955056+01	.62451299+00
.24827306+00	.18126170+01	.19129571+00	.25281321+01	.64088956+00
.25132737+00	.18128828+01	.18884495+00	.25621424+01	.65784627+00
.25438171+00	.18131687+01	.18643037+00	.25976313+01	.67542198+00
.25743604+00	.18134744+01	.18404684+00	.26347033+01	.69365941+00
.26005403+00	.18137520+01	.18203150+00	.26678268+01	.70985374+00
.26267202+00	.18140436+01	.18003430+00	.27022783+01	.72660127+00
.26529001+00	.18143494+01	.17805537+00	.27381457+01	.74393762+00
.26790801+00	.18146690+01	.17609285+00	.27755257+01	.76190179+00
.27052600+00	.18150027+01	.17414489+00	.28145245+01	.78053661+00
.27314399+00	.18153505+01	.17220964+00	.28552595+01	.79988923+00
.27532565+00	.18156511+01	.17040628+00	.28970625+01	.81660223+00
.27750731+00	.18159616+01	.16900731+00	.29273694+01	.83388298+00
.27968897+00	.18162822+01	.16741460+00	.29655834+01	.85176777+00
.28187063+00	.18166131+01	.16582600+00	.30053670+01	.87029634+00
.28405229+00	.18169545+01	.16424029+00	.30468297+01	.88951228+00
.28623395+00	.18173065+01	.16265622+00	.30900934+01	.90946379+00
.28797728+00	.18175961+01	.16138928+00	.31260906+01	.92599005+00
.28972461+00	.18178929+01	.16012185+00	.31634018+01	.94305087+00
.29146992+00	.18181974+01	.15885324+00	.32021092+01	.96067858+00
.29321522+00	.18185099+01	.15758269+00	.32423032+01	.97890073+00
.29496052+00	.18188303+01	.15630934+00	.32840834+01	.99778037+00
.29670582+00	.18191587+01	.15503239+00	.33275584+01	.10173341+01
.29801479+00	.18194136+01	.15407172+00	.33613489+01	.10324800+01
.29932377+00	.18196673+01	.15310808+00	.33962158+01	.10400566+01
.30063274+00	.18199291+01	.15214103+00	.34322187+01	.10640895+01
.30194172+00	.18201960+01	.15117013+00	.34694226+01	.10804039+01
.30325069+00	.18204684+01	.15019487+00	.35078978+01	.10976268+01
.30455966+00	.18207463+01	.14921476+00	.35477209+01	.11151861+01
.30543231+00	.18209348+01	.14855837+00	.35750596+01	.11272107+01
.30630476+00	.18211259+01	.14789943+00	.36030609+01	.11394973+01
.30717761+00	.18213198+01	.14723772+00	.36317531+01	.11520586+01

TABLE 96. (Concluded)

$$M_{\infty} = .49999846+01$$

$$\Theta_s = .21816615+00$$

Θ	M_1^*	ψ_1	x	r
.30805026+00	.18215164+01	.14657307+00	.36611665+01	.11649064+01
.30892291+00	.18217158+01	.14590529+00	.36913330+01	.11780531+01
.30979556+00	.18219183+01	.14523415+00	.37222869+01	.11915118+01
.31023188+00	.18220207+01	.14489725+00	.37380704+01	.11983626+01
.31066821+00	.18221238+01	.14455944+00	.37540646+01	.12052966+01
.31110453+00	.18222277+01	.14422067+00	.37702748+01	.12123160+01
.31154086+00	.18223325+01	.14388092+00	.37867054+01	.12194225+01
.31197718+00	.18224380+01	.14354016+00	.38033626+01	.12266185+01
.31241351+00	.18225443+01	.14319835+00	.38202615+01	.12339058+01
.31284983+00	.18226516+01	.14285547+00	.38373778+01	.12412867+01
.31328616+00	.18227596+01	.14251147+00	.38547473+01	.12487634+01
.31372248+00	.18228686+01	.14216633+00	.38723662+01	.12563383+01
.31415880+00	.18229784+01	.14182001+00	.38902412+01	.12640140+01
.31459513+00	.18230891+01	.14147248+00	.39083785+01	.12717928+01
.31503145+00	.18232007+01	.14112367+00	.39267853+01	.12796774+01
.31546778+00	.18233133+01	.14077356+00	.39454686+01	.12876706+01
.31590410+00	.18234269+01	.14042213+00	.39644358+01	.12957752+01
.31634043+00	.18235414+01	.14006930+00	.39836949+01	.13039942+01
.31677675+00	.18236569+01	.13971504+00	.40032535+01	.13123305+01
.31721308+00	.18237735+01	.13935930+00	.40231201+01	.13207874+01
.31764940+00	.18238910+01	.13900207+00	.40433039+01	.13293683+01
.31808573+00	.18240097+01	.13864322+00	.40638132+01	.13380765+01
.31852205+00	.18241294+01	.13828278+00	.40846684+01	.13469159+01
.31895838+00	.18242502+01	.13792065+00	.41058488+01	.13558900+01
.31910178+00	.18242902+01	.13780122+00	.41128908+01	.13508697+01

$$.85285351-01 = \Delta S/R$$

$$.33504457+01 = P_s/P_{\infty}$$

$$.19963617+01 = \rho_s/\rho_{\infty}$$

$$.16782759+01 = T_s/T_{\infty}$$

TABLE 97. CONICAL FLOWFIELD $\theta_s = 12.5 \text{ DEG}$; $M_\infty = 6.0$

u_s	M_∞	θ_s	θ_w	
.92358843+00	.59999951+01	.21816615+00	.30008977+00	
θ	M_1^*	ψ_1	x	r
.21816615+00	.18471422+01	.21816615+00	.22553542+01	.50000000+00
.22078414+00	.18471547+01	.21557832+00	.22783438+01	.51135812+00
.22340214+00	.18471911+01	.21304791+00	.23021207+01	.52302895+00
.22602013+00	.18472501+01	.21057084+00	.23267260+01	.53502873+00
.22863812+00	.18473308+01	.20814329+00	.23522042+01	.54737502+00
.23125611+00	.18474320+01	.20576171+00	.23786039+01	.56008684+00
.23387410+00	.18475529+01	.20342278+00	.24059774+01	.57318462+00
.23649210+00	.18476928+01	.20112335+00	.24343814+01	.58669054+00
.23911009+00	.18478510+01	.19886045+00	.24638782+01	.60062869+00
.24129175+00	.18479964+01	.19700055+00	.24893420+01	.61259282+00
.24347341+00	.18481538+01	.19516247+00	.25156538+01	.62449159+00
.24565507+00	.18483230+01	.19334467+00	.25428590+01	.63754257+00
.24783673+00	.18485038+01	.19154567+00	.25710078+01	.65056492+00
.25001839+00	.18486960+01	.18976401+00	.26001530+01	.66397899+00
.25220005+00	.18488994+01	.18799826+00	.26303529+01	.67780705+00
.25438171+00	.18491140+01	.18624701+00	.26616705+01	.69207312+00
.25656337+00	.18493397+01	.18450885+00	.26941749+01	.70680346+00
.25830870+00	.18495283+01	.18312682+00	.27210828+01	.71894100+00
.26005403+00	.18497239+01	.18175156+00	.27488397+01	.73140959+00
.26179936+00	.18499266+01	.18038234+00	.27774903+01	.74422617+00
.26354469+00	.18501365+01	.17901845+00	.28070830+01	.75740902+00
.26529001+00	.18503536+01	.17765914+00	.28376700+01	.77097777+00
.26703534+00	.18505779+01	.17630366+00	.28693080+01	.78495372+00
.26878067+00	.18508096+01	.17495124+00	.29020584+01	.79935995+00
.27052600+00	.18510487+01	.17360109+00	.29359875+01	.81422128+00
.27183500+00	.18512330+01	.17258947+00	.29622513+01	.82568220+00
.27314399+00	.18514216+01	.17157832+00	.29892521+01	.83742671+00
.27445299+00	.18516146+01	.17056727+00	.30170253+01	.84946803+00
.27576198+00	.18518121+01	.16955593+00	.30456088+01	.86182030+00
.27707097+00	.18520143+01	.16854395+00	.30750431+01	.87449846+00
.27837995+00	.18522214+01	.16753091+00	.31053717+01	.88751873+00
.27968892+00	.18524334+01	.16651637+00	.31366420+01	.90089865+00
.28099789+00	.18526502+01	.16549989+00	.31689050+01	.91466703+00
.28187054+00	.18527975+01	.16482093+00	.31909919+01	.92404944+00
.28274319+00	.18529470+01	.16414075+00	.32135620+01	.93362553+00
.28361584+00	.18530989+01	.16345922+00	.32366329+01	.94339190+00
.28448849+00	.18532531+01	.16277617+00	.32602243+01	.95335567+00
.28536114+00	.18534097+01	.16209145+00	.32843569+01	.96352449+00
.28623379+00	.18535687+01	.16140489+00	.33090520+01	.97390620+00
.28710644+00	.18537303+01	.16071632+00	.33343327+01	.98450928+00

TABLE 97. (Concluded)

$$M_{\infty} = .59999951+01$$

$$\Theta_s = .21816615+00$$

Θ	M_1^*	ψ_1	x	r
.28797909+00	.18538944+01	.16002555+00	.33602237+01	.99534273+00
.28841541+00	.18539774+01	.15967928+00	.33734058+01	.10008487+01
.28885174+00	.18540611+01	.15933239+00	.33867502+01	.10064158+01
.28928806+00	.18541455+01	.15898487+00	.34002606+01	.10120454+01
.28972439+00	.18542305+01	.15863667+00	.34139404+01	.10177368+01
.29016071+00	.18543163+01	.15828777+00	.34277931+01	.10234973+01
.29059704+00	.18544027+01	.15793816+00	.34418231+01	.10293223+01
.29103336+00	.18544899+01	.15758779+00	.34560339+01	.10352153+01
.29146969+00	.18545777+01	.15723665+00	.34704299+01	.10411777+01
.29190601+00	.18546663+01	.15688469+00	.34850151+01	.10472112+01
.29234233+00	.18547557+01	.15653192+00	.34997940+01	.10533172+01
.29277866+00	.18548457+01	.15617827+00	.35147712+01	.10594976+01
.29321498+00	.18549366+01	.15582372+00	.35299513+01	.10657538+01
.29365131+00	.18550282+01	.15546824+00	.35453393+01	.10720879+01
.29408763+00	.18551206+01	.15511188+00	.35609399+01	.10785014+01
.29452396+00	.18552138+01	.15475436+00	.35767568+01	.10849965+01
.29496028+00	.18553078+01	.15439589+00	.35928009+01	.10915750+01
.29539661+00	.18554027+01	.15403635+00	.36090720+01	.10982388+01
.29583293+00	.18554984+01	.15367670+00	.36255780+01	.11049902+01
.29626926+00	.18555949+01	.15331390+00	.36423251+01	.11118314+01
.29670558+00	.18556923+01	.15295894+00	.36593190+01	.11187645+01
.29714191+00	.18557906+01	.15258672+00	.36765668+01	.11257921+01
.29757823+00	.18558898+01	.15222125+00	.36940747+01	.11329163+01
.29801456+00	.18559899+01	.15185446+00	.37118503+01	.11401399+01
.29845088+00	.18560910+01	.15148631+00	.37299009+01	.11474656+01
.29888720+00	.18561930+01	.15111677+00	.37482337+01	.11548960+01
.29932353+00	.18562960+01	.15074676+00	.37668569+01	.11624340+01
.29975985+00	.18564000+01	.15037325+00	.37857787+01	.11700825+01
.30008977+00	.18564793+01	.15009656+00	.38002899+01	.11759412+01

$$.16379614+00 = \Delta S/R$$

$$.42847755+01 = P_s/P_{\infty}$$

$$.22423020+01 = \rho_s/\rho_{\infty}$$

$$.19108825+01 = T_s/T_{\infty}$$

TABLE 98. CONICAL FLOWFIELD $\theta_s = 12.5 \text{ DEG}$; $M_\infty = 8.0$

u_s	M_∞	θ_s	θ_w	
.94230759+00	.79999884+01	.21816615+00	.27993695+00	
θ	M_1^*	ψ_1	x	r
.21816615+00	.18853798+01	.21816615+00	.22553542+01	.50000000+00
.21947515+00	.18853830+01	.21686477+00	.22689756+01	.50613672+00
.22078414+00	.18853925+01	.21557817+00	.22828668+01	.51237328+00
.22209314+00	.18854081+01	.21430569+00	.22970359+01	.51871265+00
.22340214+00	.18854297+01	.21304673+00	.23114916+01	.52515797+00
.22471113+00	.18854570+01	.21180066+00	.23262429+01	.53171255+00
.22602013+00	.18854900+01	.21056693+00	.23412996+01	.53837992+00
.22732912+00	.18855286+01	.20934496+00	.23566714+01	.54516364+00
.22863812+00	.18855725+01	.20813422+00	.23723689+01	.55206750+00
.22994712+00	.18856218+01	.20693419+00	.23884031+01	.55909549+00
.23125611+00	.18856762+01	.20574435+00	.24047855+01	.56625177+00
.23256511+00	.18857358+01	.20456422+00	.24215282+01	.57354072+00
.23387410+00	.18858004+01	.20339331+00	.24386441+01	.58096692+00
.23518310+00	.18858700+01	.20223114+00	.24561464+01	.58853519+00
.23649210+00	.18859444+01	.20107727+00	.24740496+01	.59625065+00
.23780109+00	.18860237+01	.19993124+00	.24923684+01	.60411859+00
.23911009+00	.18861077+01	.19879260+00	.25111186+01	.61214468+00
.24041909+00	.18861964+01	.19766092+00	.25303171+01	.62033488+00
.24172808+00	.18862898+01	.19653575+00	.25499812+01	.62869543+00
.24303708+00	.18863879+01	.19541669+00	.25701297+01	.63723297+00
.24434607+00	.18864906+01	.19430328+00	.25907823+01	.64595452+00
.24565507+00	.18865978+01	.19319512+00	.26119601+01	.65486749+00
.24696407+00	.18867097+01	.19209178+00	.26336852+01	.66397930+00
.24827306+00	.18868261+01	.19099284+00	.26559813+01	.67329975+00
.24958206+00	.18869471+01	.18989786+00	.26788738+01	.68283628+00
.25089106+00	.18870727+01	.18880643+00	.27023893+01	.69259884+00
.25176372+00	.18871589+01	.18808056+00	.27184266+01	.69923772+00
.25263638+00	.18872472+01	.18735594+00	.27347623+01	.70598460+00
.25350905+00	.18873376+01	.18663244+00	.27514061+01	.71284269+00
.25438171+00	.18874300+01	.18590993+00	.27683677+01	.71981593+00
.25525438+00	.18875246+01	.18518827+00	.27856571+01	.72690734+00
.25612704+00	.18876212+01	.18446734+00	.28032853+01	.73412084+00
.25699970+00	.18877199+01	.18374698+00	.28212637+01	.74146046+00
.25787237+00	.18878207+01	.18302706+00	.28396038+01	.74893023+00
.25874503+00	.18879237+01	.18230743+00	.28583182+01	.75653452+00
.25961770+00	.18880288+01	.18158796+00	.28774201+01	.76427794+00
.26049036+00	.18881361+01	.18086848+00	.28969232+01	.77216524+00
.26136303+00	.18882457+01	.18014885+00	.29168417+01	.78020133+00
.26223568+00	.18883576+01	.17942892+00	.29371909+01	.78839156+00
.26310833+00	.18884720+01	.17870853+00	.29579870+01	.79674151+00

TABLE 98. (Concluded)

$$M_{\infty} = .79999884+01$$

$$\Theta_s = .21816615+00$$

Θ	M_1^*	ψ_1	x	r
.26398078+00	.18885887+01	.17798750+00	.29792470+01	.80525707+00
.26485363+00	.18887074+01	.17726556+00	.30009888+01	.81394439+00
.26572628+00	.18888290+01	.17654233+00	.30232314+01	.82281014+00
.26659893+00	.18889527+01	.17581883+00	.30459950+01	.83186118+00
.26747158+00	.18890790+01	.17509348+00	.30693007+01	.84110483+00
.26834423+00	.18892077+01	.17436657+00	.30931712+01	.85054892+00
.26921688+00	.18893389+01	.17363790+00	.31176302+01	.86020158+00
.27008953+00	.18894727+01	.17290725+00	.31427039+01	.87007177+00
.27096217+00	.18896092+01	.17217442+00	.31684186+01	.88016858+00
.27183482+00	.18897485+01	.17143914+00	.31948038+01	.89050205+00
.27270747+00	.18898904+01	.17070121+00	.32218903+01	.90108273+00
.27358012+00	.18899625+01	.17003315+00	.32357068+01	.90646932+00
.27358012+00	.18900353+01	.16996033+00	.32497112+01	.91192196+00
.27401645+00	.18901088+01	.16958672+00	.32639079+01	.91744227+00
.27445277+00	.18901830+01	.16921627+00	.32783019+01	.92303184+00
.27488910+00	.18902580+01	.16884295+00	.32928978+01	.92869228+00
.27532542+00	.18903338+01	.16846872+00	.33077006+01	.93442532+00
.27576175+00	.18904104+01	.16809355+00	.33227154+01	.94023266+00
.27619807+00	.18904877+01	.16771739+00	.33379478+01	.94611624+00
.27663440+00	.18905658+01	.16734021+00	.33534034+01	.95207793+00
.27707072+00	.18906448+01	.16696196+00	.33690878+01	.95811967+00
.27750704+00	.18907246+01	.16658261+00	.33850073+01	.96424355+00
.27794337+00	.18908052+01	.16620210+00	.34011679+01	.97045165+00
.27837969+00	.18908866+01	.16582039+00	.34175762+01	.97674619+00
.27881602+00	.18909690+01	.16543743+00	.34342394+01	.98312958+00
.27925234+00	.18910522+01	.16505319+00	.34511640+01	.98960408+00
.27968867+00	.18911363+01	.16466759+00	.34683574+01	.99617217+00
.27993695+00	.18911846+01	.16444755+00	.34782646+01	.99995260+00

$$.38258687+00 = \Delta S/R$$

$$.66452128+01 = P_s/P_{\infty}$$

$$.26731992+01 = \rho_s/\rho_{\infty}$$

$$.24858652+01 = T_s/T_{\infty}$$

99 TABLE 99. CONICAL FLOWFIELD $\theta_s = 12.5 \text{ DEG}$; $M_\infty = 10.0$

u_s	M_∞	θ_s	θ_w	
.95205621+00	.99999913+01	.21816615+00	.27007188+00	
θ	M_1^*	ψ_1	x	r
.21816615+00	.19040767+01	.21816615+00	.22553542+01	.50000000+00
.21903881+00	.19040782+01	.21729688+00	.22654138+01	.50430463+00
.21991148+00	.19040825+01	.21643426+00	.22756190+01	.50866108+00
.22078414+00	.19040896+01	.21557805+00	.22859728+01	.51307041+00
.22165681+00	.19040994+01	.21472804+00	.22964788+01	.51753383+00
.22252947+00	.19041119+01	.21388403+00	.23071405+01	.52205256+00
.22340214+00	.19041271+01	.21304580+00	.23179613+01	.52662785+00
.22427480+00	.19041449+01	.21221316+00	.23289453+01	.53126108+00
.22514746+00	.19041652+01	.21138592+00	.23400961+01	.53595351+00
.22602013+00	.19041881+01	.21056388+00	.23514180+01	.54070664+00
.22689279+00	.19042135+01	.20974685+00	.23629149+01	.54552186+00
.22776546+00	.19042413+01	.20893466+00	.23745914+01	.55040070+00
.22863812+00	.19042716+01	.20812713+00	.23864519+01	.55534472+00
.22951078+00	.19043043+01	.20732407+00	.23985011+01	.56035554+00
.23038345+00	.19043393+01	.20652533+00	.24107438+01	.56543482+00
.23125611+00	.19043767+01	.20573073+00	.24231851+01	.57058430+00
.23212878+00	.19044164+01	.20494010+00	.24358301+01	.57580581+00
.23300144+00	.19044584+01	.20415327+00	.24486845+01	.58110119+00
.23387410+00	.19045027+01	.20337010+00	.24617537+01	.58647241+00
.23474677+00	.19045492+01	.20259041+00	.24750436+01	.59192146+00
.23561943+00	.19045980+01	.20181406+00	.24885605+01	.59745046+00
.23649210+00	.19046490+01	.20104087+00	.25023106+01	.60306161+00
.23736476+00	.19047023+01	.20027070+00	.25163006+01	.60875714+00
.23823743+00	.19047577+01	.19950338+00	.25305373+01	.61453941+00
.23911009+00	.19048154+01	.19873878+00	.25450280+01	.62041089+00
.23998275+00	.19048752+01	.19797672+00	.25597804+01	.62637422+00
.24085542+00	.19049373+01	.19721707+00	.25748021+01	.63243199+00
.24172808+00	.19050014+01	.19645966+00	.25901013+01	.63858701+00
.24260075+00	.19050678+01	.19570434+00	.26056866+01	.64484217+00
.24347341+00	.19051363+01	.19495096+00	.26215670+01	.65120058+00
.24434607+00	.19052071+01	.19419936+00	.26377521+01	.65766539+00
.24521874+00	.19052799+01	.19344939+00	.26542514+01	.66423992+00
.24609140+00	.19053550+01	.19270089+00	.26710752+01	.67092765+00
.24696407+00	.19054323+01	.19195371+00	.26882346+01	.67773227+00
.24783673+00	.19055117+01	.19120268+00	.27057407+01	.68465757+00
.24870940+00	.19055934+01	.19046264+00	.27236052+01	.69170753+00
.24958206+00	.19056772+01	.18971843+00	.27418409+01	.69888641+00
.25045472+00	.19057633+01	.18897489+00	.27604609+01	.70619861+00
.25132739+00	.19058516+01	.18823183+00	.27794790+01	.71364882+00
.25220005+00	.19059422+01	.18748910+00	.27989098+01	.72124192+00

TABLE 99. (Concluded)

$M_{\infty} = .99999913+01$

$\Theta_s = .21816615+00$

Θ	M_1^*	ψ_1	x	r
.25307272+00	.19060351+01	.18674651+00	.28187686+01	.72898304+00
.25394538+00	.19061303+01	.18600389+00	.28390719+01	.73687769+00
.25481804+00	.19062278+01	.18526104+00	.28598365+01	.74493151+00
.25569069+00	.19063281+01	.18451780+00	.28810803+01	.75315048+00
.25656334+00	.19064307+01	.18377396+00	.29028231+01	.76154119+00
.25743599+00	.19065357+01	.18302932+00	.29250850+01	.77011038+00
.25830864+00	.19066432+01	.18228365+00	.29478877+01	.77886525+00
.25918129+00	.19067532+01	.18153675+00	.29712541+01	.78781340+00
.26005394+00	.19068658+01	.18078839+00	.29952088+01	.79696304+00
.26092626+00	.19069230+01	.18004135+00	.30074148+01	.80161610+00
.26092659+00	.19069809+01	.18003834+00	.30197775+01	.80632270+00
.26136291+00	.19070395+01	.17966261+00	.30323006+01	.81108409+00
.26179924+00	.19070988+01	.17928637+00	.30449877+01	.81590150+00
.26223556+00	.19071587+01	.17890958+00	.30578429+01	.82077620+00
.26267189+00	.19072192+01	.17853220+00	.30708696+01	.82570940+00
.26310821+00	.19072805+01	.17815422+00	.30840722+01	.83070248+00
.26354454+00	.19073426+01	.17777559+00	.30974545+01	.83575676+00
.26398086+00	.19074052+01	.17739628+00	.31110211+01	.84087372+00
.26441719+00	.19074686+01	.17701626+00	.31247763+01	.84605479+00
.26485351+00	.19075328+01	.17663547+00	.31387246+01	.85130145+00
.26528984+00	.19075976+01	.17625390+00	.31528712+01	.85661541+00
.26572616+00	.19076632+01	.17587150+00	.31672206+01	.86199818+00
.26616248+00	.19077296+01	.17548822+00	.31817783+01	.86745153+00
.26659881+00	.19077967+01	.17510403+00	.31965495+01	.87297722+00
.26703513+00	.19078646+01	.17471889+00	.32115399+01	.87857704+00
.26747146+00	.19079333+01	.17433274+00	.32267549+01	.88425284+00
.26790778+00	.19080028+01	.17394555+00	.32422010+01	.89000676+00
.26834411+00	.19080731+01	.17355728+00	.32578841+01	.89584066+00
.26878043+00	.19081442+01	.17316786+00	.32738107+01	.90175672+00
.26921676+00	.19082162+01	.17277726+00	.32899875+01	.90775716+00
.26965308+00	.19082891+01	.17238542+00	.33064221+01	.91384443+00
.27007188+00	.19083598+01	.17200810+00	.33224454+01	.91977090+00

$.64940313+00 = \Delta S/R$

$.96678960+01 = P_s/P_{\infty}$

$.30086460+01 = \rho_s/\rho_{\infty}$

$.32133711+01 = T_s/T_{\infty}$

TABLE 100. CONICAL FLOWFIELD $\theta_s = 12.5 \text{ DEG}$; $M_\infty = 12.5$

u_s	M_∞	θ_s	θ_w	
.95822624+00	.12500000+02	.21816615+00	.26354123+00	
θ	M_1^*	ψ_1	x	r
.21816615+00	.19164165+01	.21816615+00	.22553542+01	.50000000+00
.21903881+00	.19164180+01	.21729688+00	.22662510+01	.50449101+00
.21991148+00	.19164223+01	.21643422+00	.22773179+01	.50904083+00
.22078414+00	.19164295+01	.21557794+00	.22885586+01	.51365076+00
.22165661+00	.19164394+01	.21472779+00	.22999776+01	.51832230+00
.22252947+00	.19164520+01	.21388354+00	.23115793+01	.52305697+00
.22340214+00	.19164673+01	.21304496+00	.23233685+01	.52785634+00
.22427480+00	.19164852+01	.21221184+00	.23353499+01	.53272206+00
.22514746+00	.19165057+01	.21138396+00	.23475287+01	.53765580+00
.22602013+00	.19165287+01	.21056110+00	.23599100+01	.54265937+00
.22689279+00	.19165543+01	.20974307+00	.23724992+01	.54773456+00
.22776546+00	.19165824+01	.20892966+00	.23853020+01	.55288327+00
.22863812+00	.19166129+01	.20812067+00	.23983243+01	.55810750+00
.22951078+00	.19166459+01	.20731591+00	.24115723+01	.56340931+00
.23038345+00	.19166812+01	.20651519+00	.24250523+01	.56879084+00
.23125611+00	.19167190+01	.20571832+00	.24387710+01	.57425430+00
.23212878+00	.19167591+01	.20492510+00	.24527353+01	.57980201+00
.23300144+00	.19168016+01	.20413536+00	.24669525+01	.58543640+00
.23387410+00	.19168463+01	.20334892+00	.24814301+01	.59116000+00
.23474677+00	.19168935+01	.20256559+00	.24961760+01	.59697539+00
.23561943+00	.19169429+01	.20178519+00	.25111985+01	.60288536+00
.23649210+00	.19169946+01	.20100754+00	.25265062+01	.60889279+00
.23736476+00	.19170485+01	.20023247+00	.25421082+01	.61500064+00
.23823743+00	.19171048+01	.19945879+00	.25580138+01	.62121207+00
.23911009+00	.19171633+01	.19868933+00	.25742330+01	.62753029+00
.23998275+00	.19172242+01	.19792091+00	.25907763+01	.63395887+00
.24085542+00	.19172872+01	.19715434+00	.26076545+01	.64050133+00
.24172808+00	.19173526+01	.19638946+00	.26248790+01	.64716142+00
.24260075+00	.19174202+01	.19562608+00	.26424619+01	.65394314+00
.24347341+00	.19174901+01	.19486400+00	.26604159+01	.66085068+00
.24434607+00	.19175623+01	.19410305+00	.26787542+01	.66788836+00
.24521874+00	.19176368+01	.19334305+00	.26974907+01	.67506077+00
.24609140+00	.19177136+01	.19258379+00	.27166405+01	.68237285+00
.24696407+00	.19177927+01	.19182508+00	.27362190+01	.68982964+00
.24783673+00	.19178742+01	.19106673+00	.27562427+01	.69743655+00
.24870940+00	.19179581+01	.19030853+00	.27767292+01	.70519930+00
.24958206+00	.19180443+01	.18955027+00	.27976968+01	.71312388+00
.25001839+00	.19180883+01	.18917106+00	.28083671+01	.71714886+00
.25045472+00	.19181330+01	.18879175+00	.28191651+01	.72121669+00
.25089105+00	.19181784+01	.18841233+00	.28300931+01	.72532817+00

TABLE 100. (Concluded)

$$M_{\infty} = .12500000+02$$

$$\Theta_s = .21816615+00$$

Θ	M_1^*	ψ_1	x	r
.25132737+00	.19182244+01	.18803275+00	.26411544+01	.72948434+00
.25176370+00	.19182711+01	.18765300+00	.28523515+01	.73368602+00
.25220002+00	.19183184+01	.18727304+00	.28636874+01	.73793417+00
.25263635+00	.19183663+01	.18689285+00	.28751649+01	.74222971+00
.25307267+00	.19184148+01	.18651240+00	.28867871+01	.74657367+00
.25350900+00	.19184640+01	.18613164+00	.28985575+01	.75096716+00
.25394532+00	.19185136+01	.18575056+00	.29104789+01	.75541110+00
.25438165+00	.19185643+01	.18536913+00	.29225548+01	.75990662+00
.25481797+00	.19186154+01	.18498730+00	.29347890+01	.76445494+00
.25525429+00	.19186672+01	.18460504+00	.29471846+01	.76905715+00
.25569062+00	.19187196+01	.18422233+00	.29597462+01	.77371450+00
.25612694+00	.19187728+01	.18383913+00	.29724767+01	.77842816+00
.25656327+00	.19188266+01	.18345540+00	.29853805+01	.78319947+00
.25699959+00	.19188811+01	.18307111+00	.29984617+01	.78802978+00
.25743592+00	.19189362+01	.18268622+00	.30117245+01	.79292040+00
.25787224+00	.19189921+01	.18230069+00	.30251735+01	.79787263+00
.25830857+00	.19190488+01	.18191449+00	.30388131+01	.80288852+00
.25874489+00	.19191061+01	.18152757+00	.30526482+01	.80796898+00
.25918122+00	.19191642+01	.18113889+00	.30666839+01	.81311592+00
.25961754+00	.19192230+01	.18075143+00	.30809249+01	.81833081+00
.26005387+00	.19192825+01	.18036212+00	.30953766+01	.82361539+00
.26049019+00	.19193428+01	.17997192+00	.31100449+01	.82897154+00
.26092651+00	.19194039+01	.17958880+00	.31249352+01	.83440100+00
.26136284+00	.19194657+01	.17918671+00	.31400537+01	.83990581+00
.26179916+00	.19195284+01	.17879559+00	.31554065+01	.84548787+00
.26223549+00	.19195918+01	.17840139+00	.31709999+01	.85114919+00
.26267181+00	.19196561+01	.17800608+00	.31868409+01	.85689203+00
.26310814+00	.19197212+01	.17760959+00	.32029366+01	.86271863+00
.26354423+00	.19197867+01	.17721482+00	.32191716+01	.86858707+00

$$.10049974+01 = \Delta S/R$$

$$.14383082+02 = P_s/P_{\infty}$$

$$.33121205+01 = \rho_s/\rho_{\infty}$$

$$.43425601+01 = T_s/T_{\infty}$$

TABLE 101. CONICAL FLOWFIELD $\theta_s = 12.5 \text{ DEG}$; $M_\infty = 15.0$

u_s	M_∞	θ_s	θ_w	
.96164352+00	.14999993+02	.21816615+00	.25991410+00	
θ	M_1^*	ψ_1	x	r
.21816615+00	.19232510+01	.21816615+00	.22553542+01	.50000000+00
.21903881+00	.19232524+01	.21729686+00	.22667969+01	.50461254+00
.21991146+00	.19232568+01	.21643420+00	.22784266+01	.50928865+00
.22078414+00	.19232640+01	.21557787+00	.22902476+01	.51402985+00
.22165681+00	.19232739+01	.21472261+00	.23022652+01	.51883785+00
.22252947+00	.19232865+01	.21388320+00	.23144845+01	.52371435+00
.22340214+00	.19233019+01	.21304438+00	.23269110+01	.52866117+00
.22427480+00	.19233199+01	.21221093+00	.23395503+01	.53368022+00
.22514746+00	.19233404+01	.21138260+00	.23524083+01	.53877340+00
.22602013+00	.19233636+01	.21055918+00	.23654912+01	.54394276+00
.22689279+00	.19233893+01	.20974095+00	.23788053+01	.54919044+00
.22776546+00	.19234175+01	.20892619+00	.23923573+01	.55451861+00
.22863812+00	.19234482+01	.20811620+00	.24061541+01	.55992956+00
.22951078+00	.19234813+01	.20731025+00	.24202031+01	.56542572+00
.23038345+00	.19235169+01	.20650814+00	.24345118+01	.57100953+00
.23125611+00	.19235548+01	.20570968+00	.24490880+01	.57668363+00
.23212878+00	.19235952+01	.20491467+00	.24639401+01	.58245071+00
.23300144+00	.19236379+01	.20412289+00	.24790767+01	.58831362+00
.23387410+00	.19236830+01	.20333415+00	.24945069+01	.59427533+00
.23474677+00	.19237305+01	.20254827+00	.25102401+01	.60033890+00
.23561943+00	.19237803+01	.20176503+00	.25262863+01	.60650763+00
.23649210+00	.19238324+01	.20098425+00	.25426561+01	.61278494+00
.23736476+00	.19238869+01	.20020573+00	.25593601+01	.61917432+00
.23823743+00	.19239436+01	.19942927+00	.25764101+01	.62567959+00
.23911009+00	.19240027+01	.19865468+00	.25938180+01	.63230460+00
.23998442+00	.19240632+01	.19786802+00	.26026603+01	.63566338+00
.23998275+00	.19240642+01	.19788176+00	.26115967+01	.63905364+00
.24041909+00	.19240958+01	.19749586+00	.26206294+01	.64247594+00
.24085542+00	.19241280+01	.19711030+00	.26297597+01	.64593087+00
.24129175+00	.19241607+01	.19672506+00	.26389895+01	.64941902+00
.24172808+00	.19241941+01	.19634011+00	.26483208+01	.65294097+00
.24216441+00	.19242280+01	.19595543+00	.26577553+01	.65649731+00
.24260075+00	.19242625+01	.19557098+00	.26672949+01	.66008870+00
.24303708+00	.19242976+01	.19518675+00	.26769419+01	.66371579+00
.24347341+00	.19243333+01	.19480271+00	.26866981+01	.66737922+00
.24390974+00	.19243696+01	.19441883+00	.26965656+01	.67107965+00
.24434607+00	.19244065+01	.19403508+00	.27065467+01	.67481781+00
.24478241+00	.19244440+01	.19365145+00	.27166435+01	.67859442+00
.24521874+00	.19244821+01	.19326789+00	.27268584+01	.68241021+00
.24565507+00	.19245206+01	.19288438+00	.27371937+01	.68626593+00

TABLE 101. (Concluded)

$$M_{\infty} = .14999993+02$$

$$\Theta_s = .21816615+00$$

Θ	M_1^*	ψ_1	x	r
.24609140+00	.19245601+01	.19250090+00	.27476516+01	.69016234+00
.24652774+00	.19246000+01	.19211741+00	.27582353+01	.69410033+00
.24696407+00	.19246405+01	.19173339+00	.27689467+01	.69808066+00
.24740040+00	.19246818+01	.19135031+00	.27797886+01	.70210415+00
.24783673+00	.19247233+01	.19096665+00	.27907639+01	.70617174+00
.24827306+00	.19247659+01	.19058286+00	.28018751+01	.71028428+00
.24870938+00	.19248091+01	.19019893+00	.28131255+01	.71444275+00
.24914571+00	.19248528+01	.18981481+00	.28245179+01	.71864808+00
.24958203+00	.19248973+01	.18943048+00	.28360555+01	.72290130+00
.25001835+00	.19249424+01	.18904590+00	.28477415+01	.72720345+00
.25045468+00	.19249881+01	.18866105+00	.28595791+01	.73155553+00
.25089100+00	.19250344+01	.18827588+00	.28715720+01	.73595873+00
.25132733+00	.19250815+01	.18789038+00	.28837233+01	.74041402+00
.25176365+00	.19251291+01	.18750450+00	.28960371+01	.74492275+00
.25219998+00	.19251776+01	.18711820+00	.29085169+01	.74948598+00
.25263630+00	.19252265+01	.18673146+00	.29211666+01	.75410500+00
.25307263+00	.19252762+01	.18634424+00	.29339903+01	.75878110+00
.25350895+00	.19253266+01	.18595649+00	.29469924+01	.76351568+00
.25394528+00	.19253777+01	.18556819+00	.29601770+01	.76831005+00
.25438160+00	.19254295+01	.18517929+00	.29735488+01	.77316566+00
.25481793+00	.19254819+01	.18478974+00	.29871122+01	.77808397+00
.25525425+00	.19255351+01	.18439952+00	.30008722+01	.78306653+00
.25569057+00	.19255891+01	.18400856+00	.30148338+01	.78811495+00
.25612690+00	.19256437+01	.18361685+00	.30290023+01	.79323087+00
.25656322+00	.19256991+01	.18322433+00	.30433829+01	.79841597+00
.25699955+00	.19257553+01	.18283096+00	.30579813+01	.80367205+00
.25743587+00	.19258122+01	.18243667+00	.30728035+01	.80900101+00
.25787220+00	.19258699+01	.18204144+00	.30878555+01	.81440473+00
.25830852+00	.19259284+01	.18164521+00	.31031435+01	.81988516+00
.25874485+00	.19259876+01	.18124793+00	.31186743+01	.82544450+00
.25918117+00	.19260478+01	.18084954+00	.31344546+01	.83108480+00
.25961750+00	.19261087+01	.18045000+00	.31504918+01	.83680847+00
.25991410+00	.19261505+01	.18017778+00	.31615441+01	.84074806+00

$$.13563991+01 = \Delta S/R$$

$$.20141879+02 = P_g/P_{\infty}$$

$$.35221401+01 = \rho_g/\rho_{\infty}$$

$$.57186480+01 = T_g/T_{\infty}$$

TABLE 102. CONICAL FLOWFIELD $\theta_s = 12.5$ DEG; $M_\infty = 17.5$

u_s	M_∞	θ_s	θ_w	
.96372730+00	.17500004+02	.21816615+00	.25769789+00	
θ	M_1^*	ψ_1	x	r
.21816615+00	.19274185+01	.21816615+00	.22553542+01	.50000000+00
.21903681+00	.19274199+01	.21729687+00	.22671661+01	.50469472+00
.21991148+00	.19274243+01	.21643419+00	.22791769+01	.50945637+00
.22078414+00	.19274315+01	.21557781+00	.22913919+01	.51428656+00
.22165681+00	.19274414+01	.21472749+00	.23038153+01	.51918717+00
.22252947+00	.19274541+01	.21388296+00	.23164544+01	.52416008+00
.22340214+00	.19274695+01	.21304397+00	.23293146+01	.52920725+00
.22427480+00	.19274876+01	.21221026+00	.23424022+01	.53433078+00
.22514746+00	.19275082+01	.21138164+00	.23557235+01	.53953274+00
.22602013+00	.19275314+01	.21055783+00	.23692862+01	.54461544+00
.22689279+00	.19275572+01	.20973861+00	.23830964+01	.55018112+00
.22776546+00	.19275855+01	.20892375+00	.23971619+01	.55563226+00
.22863812+00	.19276163+01	.20811304+00	.24114903+01	.56117134+00
.22951076+00	.19276495+01	.20730626+00	.24260899+01	.56680103+00
.23038345+00	.19276852+01	.20650318+00	.24409690+01	.57252408+00
.23125611+00	.19277233+01	.20570360+00	.24561366+01	.57834335+00
.23212878+00	.19277638+01	.20490731+00	.24716018+01	.58426186+00
.23300144+00	.19278068+01	.20411409+00	.24873746+01	.59028261+00
.23387410+00	.19278521+01	.20332374+00	.25034650+01	.59640944+00
.23474677+00	.19278998+01	.20253604+00	.25198837+01	.60264523+00
.23561943+00	.19279499+01	.20175060+00	.25366420+01	.60899382+00
.23649210+00	.19280023+01	.20096779+00	.25537518+01	.61545903+00
.23736476+00	.19280570+01	.20018662+00	.25712255+01	.62204485+00
.23823743+00	.19281142+01	.19940768+00	.25890761+01	.62875551+00
.23911009+00	.19281737+01	.19863014+00	.26073175+01	.63559541+00
.23998275+00	.19282355+01	.19785401+00	.26259643+01	.64256932+00
.24085542+00	.19282998+01	.19707906+00	.26450316+01	.64968202+00
.24172808+00	.19283328+01	.19669196+00	.26645360+01	.65693881+00
.24260075+00	.19283664+01	.19630508+00	.26844943+01	.66434512+00
.24347341+00	.19284006+01	.19591836+00	.27049250+01	.67190681+00
.24434607+00	.19284354+01	.19553185+00	.27258471+01	.67962995+00
.24521874+00	.19284706+01	.19514544+00	.27472812+01	.68752110+00
.24609140+00	.19285069+01	.19475913+00	.27692260+01	.69558183+00
.24696406+00	.19285435+01	.19437289+00	.27916814+01	.70381265+00
.24783672+00	.19285807+01	.19398670+00	.28146473+01	.71221416+00
.24870938+00	.19286186+01	.19360052+00	.28381236+01	.72078687+00
.24958204+00	.19286571+01	.19321433+00	.28621103+01	.72953128+00
.25045470+00	.19286961+01	.19282809+00	.28866073+01	.73844889+00

TABLE 102. (Concluded)

$$M_{\infty} = .17500004+02$$

$$\Theta_s = .21816615+00$$

Θ	M_1^*	ψ_1	x	r
.24609140+00	.19287359+01	.19244177+00	.27692490+01	.69558720+00
.24652773+00	.19287764+01	.19205534+00	.27804402+01	.69968808+00
.24696405+00	.19288175+01	.19166878+00	.27917734+01	.70383544+00
.24740038+00	.19288593+01	.19128204+00	.28032520+01	.70803034+00
.24783670+00	.19289017+01	.19089510+00	.28148791+01	.71227374+00
.24827303+00	.19289448+01	.19050792+00	.28266582+01	.71656676+00
.24870935+00	.19289885+01	.19012046+00	.28385925+01	.72091044+00
.24914568+00	.19290329+01	.18973270+00	.28506857+01	.72530591+00
.24958200+00	.19290779+01	.18934459+00	.28629415+01	.72975437+00
.25001832+00	.19291236+01	.18895611+00	.28753637+01	.73425700+00
.25045465+00	.19291700+01	.18856721+00	.28879562+01	.73881505+00
.25089097+00	.19292170+01	.18817786+00	.29007231+01	.74342980+00
.25132730+00	.19292647+01	.18778802+00	.29136685+01	.74810256+00
.25176362+00	.19293131+01	.18739765+00	.29267972+01	.75283480+00
.25219995+00	.19293623+01	.18700672+00	.29401131+01	.75762781+00
.25263627+00	.19294121+01	.18661517+00	.29536214+01	.76248319+00
.25307260+00	.19294626+01	.18622297+00	.29673269+01	.76740246+00
.25350892+00	.19295139+01	.18583008+00	.29812344+01	.77238711+00
.25394525+00	.19295658+01	.18543644+00	.29953495+01	.77743890+00
.25438157+00	.19296186+01	.18504202+00	.30096777+01	.78255962+00
.25481790+00	.19296720+01	.18464677+00	.30242241+01	.78775080+00
.25525422+00	.19297263+01	.18425064+00	.30389953+01	.79301451+00
.25569054+00	.19297813+01	.18385358+00	.30539967+01	.79835252+00
.25612687+00	.19298370+01	.18345554+00	.30692356+01	.80376702+00
.25656319+00	.19298937+01	.18305647+00	.30847181+01	.80925997+00
.25699952+00	.19299510+01	.18265631+00	.31004512+01	.81483352+00
.25743584+00	.19300092+01	.18225501+00	.31164422+01	.82049001+00
.25787217+00	.19300684+01	.18201344+00	.31261713+01	.82392802+00

$$.16903721+01 = \Delta S/R$$

$$.26945949+02 = P_s/P_{\infty}$$

$$.36596312+01 = \rho_s/\rho_{\infty}$$

$$.73429565+01 = T_s/T_{\infty}$$

TABLE 103. CONICAL FLOWFIELD $\theta_s = 12.5 \text{ DEG}$; $M_\infty = 20.0$

u_s	M_∞	θ_s	θ_w	
.96508955+00	.19999960+02	.21816615+00	.25624724+00	
θ	M_1^*	ψ_1	x	r
.21816615+00	.19301429+01	.21816615+00	.22553542+01	.50000000+00
.21903681+00	.19301444+01	.21729687+00	.22674247+01	.50475229+00
.21991148+00	.19301487+01	.21643418+00	.22797025+01	.50957386+00
.22078414+00	.19301559+01	.21557778+00	.22921931+01	.51446652+00
.22165681+00	.19301659+01	.21472740+00	.23049024+01	.51943217+00
.22252947+00	.19301786+01	.21388279+00	.23178366+01	.52447285+00
.22340214+00	.19301940+01	.21304368+00	.23310020+01	.52959062+00
.22427480+00	.19302121+01	.21220982+00	.23444054+01	.53478772+00
.22514746+00	.19302328+01	.21138096+00	.23580538+01	.54006638+00
.22602013+00	.19302560+01	.21055666+00	.23719544+01	.54542899+00
.22689279+00	.19302818+01	.20973728+00	.23861149+01	.55087800+00
.22776546+00	.19303102+01	.20892200+00	.24005434+01	.55641605+00
.22863812+00	.19303411+01	.20811078+00	.24152480+01	.56204578+00
.22951078+00	.19303744+01	.20730339+00	.24302377+01	.56777007+00
.23038345+00	.19304101+01	.20649961+00	.24455214+01	.57359194+00
.23125611+00	.19304484+01	.20569923+00	.24611086+01	.57951415+00
.23212878+00	.19304890+01	.20490201+00	.24770099+01	.58554029+00
.23300144+00	.19305321+01	.20410775+00	.24932353+01	.59167363+00
.23387410+00	.19305775+01	.20331623+00	.25097961+01	.59791773+00
.23474677+00	.19306254+01	.20252723+00	.25267039+01	.60427631+00
.23561943+00	.19306756+01	.20174053+00	.25439708+01	.61075330+00
.23649210+00	.19307282+01	.20095592+00	.25616099+01	.61735285+00
.23736476+00	.19307832+01	.20017317+00	.25796347+01	.62407926+00
.23823743+00	.19308406+01	.19939208+00	.25980594+01	.63093711+00
.23911009+00	.19309004+01	.19861241+00	.26168993+01	.63793121+00
.23998275+00	.19309625+01	.19783395+00	.26264799+01	.64148098+00
.24085542+00	.19310269+01	.19705646+00	.26361704+01	.64506675+00
.24172808+00	.19310941+01	.19627972+00	.26459728+01	.64868914+00
.24260075+00	.19311635+01	.19550349+00	.26558894+01	.65234895+00
.24347341+00	.19312354+01	.19472754+00	.26659224+01	.65604682+00
.24434607+00	.19313097+01	.19395161+00	.26760743+01	.65978356+00
.24521874+00	.19313866+01	.19317545+00	.26863472+01	.66355987+00
.24609141+00	.19314662+01	.19240000+00	.26967439+01	.66737657+00
.24696408+00	.19315485+01	.19162500+00	.27072668+01	.67123448+00
.24783675+00	.19316335+01	.19085000+00	.27179185+01	.67513441+00
.24870942+00	.19317212+01	.19007500+00	.27287017+01	.67907716+00
.24958209+00	.19318117+01	.18930000+00	.27396192+01	.68306372+00
.25045476+00	.19319050+01	.18852500+00	.27506739+01	.68709492+00
.25132743+00	.19320011+01	.18775000+00	.27618688+01	.69117174+00
.25220010+00	.19321000+01	.18697500+00	.27732068+01	.69529506+00

TABLE 103. (Concluded)

$$M_{\infty} = .19999960+02$$

$$\Theta_s = .21816615+00$$

Θ	M_1^*	ψ_1	x	r
.24609139+00	.19314663+01	.19239882+00	.27846911+01	.69946595+00
.24652771+00	.19315072+01	.19201025+00	.27963251+01	.70368542+00
.24696404+00	.19315487+01	.19162145+00	.28081122+01	.70795459+00
.24740036+00	.19315908+01	.19123239+00	.28200560+01	.71227454+00
.24783669+00	.19316336+01	.19084304+00	.28321600+01	.71664643+00
.24827301+00	.19316770+01	.19045336+00	.28444276+01	.72107137+00
.24870934+00	.19317211+01	.19006332+00	.28568635+01	.72555064+00
.24914566+00	.19317659+01	.18967286+00	.28694709+01	.73008543+00
.24958199+00	.19318113+01	.18928199+00	.28822543+01	.73467709+00
.25001831+00	.19318575+01	.18889063+00	.28952178+01	.73932693+00
.25045463+00	.19319043+01	.18849875+00	.29083662+01	.74403644+00
.25089096+00	.19319519+01	.18810631+00	.29217037+01	.74880690+00
.25132728+00	.19320001+01	.18771326+00	.29352352+01	.75363990+00
.25176361+00	.19320491+01	.18731957+00	.29489661+01	.75853707+00
.25219993+00	.19320987+01	.18692619+00	.29629009+01	.76349989+00
.25263626+00	.19321491+01	.18653006+00	.29770454+01	.76853008+00
.25307258+00	.19322003+01	.18613419+00	.29914051+01	.77362944+00
.25350891+00	.19322522+01	.18573746+00	.30059855+01	.77879965+00
.25394523+00	.19323049+01	.18533967+00	.30207931+01	.78404272+00
.25438156+00	.19323583+01	.18494134+00	.30358337+01	.78936050+00
.25481788+00	.19324125+01	.18454183+00	.30511141+01	.79475506+00
.25525421+00	.19324675+01	.18414129+00	.30666410+01	.80022852+00
.25569053+00	.19325233+01	.18373966+00	.30824214+01	.80578303+00
.25612685+00	.19325799+01	.18333689+00	.30984629+01	.81142096+00
.25624724+00	.19325957+01	.18322555+00	.31029359+01	.81299152+00

$$.20027010+01 = \Delta S/R$$

$$.34795166+02 = P_s/P_{\infty}$$

$$.37755273+01 = \rho_s/\rho_{\infty}$$

$$.92159755+01 = T_s/T_{\infty}$$

TABLE 104. CONICAL FLOWFIELD $\theta_s = 12.5 \text{ DEG}$; $M_\infty = 22.5$

u_s	M_∞	θ_s	θ_w	
.96602790+00	.22499886+02	.21816615+00	.25524693+00	
θ	M_1^*	ψ_1	x	r
.21816615+00	.19320196+01	.21916615+00	.22553542+01	.50000000+00
.21903381+00	.19320211+01	.21729687+00	.22676117+01	.50479390+00
.21991148+00	.19320254+01	.21643817+00	.22800828+01	.50965887+00
.22078414+00	.19320326+01	.21557775+00	.22927732+01	.51459670+00
.22165681+00	.19320426+01	.21472734+00	.23056891+01	.51960946+00
.22252947+00	.19320553+01	.21388266+00	.23188371+01	.52469924+00
.22340214+00	.19320707+01	.21304346+00	.23322237+01	.52986820+00
.22427480+00	.19320888+01	.21220946+00	.23458562+01	.53511866+00
.22514746+00	.19321095+01	.21138045+00	.23597418+01	.54045298+00
.22602013+00	.19321328+01	.21055614+00	.23738882+01	.54587365+00
.22689279+00	.19321587+01	.20973631+00	.23883034+01	.55138324+00
.22776546+00	.19321871+01	.20892071+00	.24029959+01	.55698451+00
.22863812+00	.19322180+01	.20810911+00	.24179745+01	.56268024+00
.22951078+00	.19322513+01	.20730127+00	.24332483+01	.56847343+00
.23038345+00	.19322872+01	.20649698+00	.24488271+01	.57435717+00
.23125611+00	.19323255+01	.20569600+00	.24647209+01	.58036469+00
.23212878+00	.19323662+01	.20489811+00	.24809403+01	.58646940+00
.23300144+00	.19324093+01	.20410308+00	.24974966+01	.59268489+00
.23387410+00	.19324549+01	.20331070+00	.25144016+01	.59901491+00
.23474677+00	.19325028+01	.20252073+00	.25316674+01	.60546336+00
.23561943+00	.19325532+01	.20173296+00	.25493072+01	.61203445+00
.23649210+00	.19326060+01	.20094715+00	.25673347+01	.61873252+00
.23736476+00	.19326611+01	.20016310+00	.25857641+01	.62556212+00
.23823743+00	.19327187+01	.19938056+00	.26046109+01	.63252813+00
.23911009+00	.19327787+01	.19859931+00	.26238911+01	.63963564+00
.23998275+00	.19328409+01	.19782091+00	.26436993+01	.64682421+00
.24085542+00	.19329059+01	.19704935+00	.26639623+01	.65409019+00
.24172808+00	.19329731+01	.19628096+00	.26845091+01	.66143616+00
.24260075+00	.19330428+01	.19551711+00	.26950420+01	.66876757+00
.24347341+00	.19331150+01	.19476045+00	.27057045+01	.67609909+00
.24434607+00	.19331921+01	.19401492+00	.27164994+01	.68352360+00
.24521872+00	.19332744+01	.19328256+00	.27274297+01	.69104999+00
.24609138+00	.19333620+00	.19255692+00	.27384979+01	.69868948+00
.24696404+00	.19334549+01	.19183845+00	.27497074+01	.70644699+00
.24783670+00	.19335532+01	.19112698+00	.27610609+01	.71432699+00
.24870936+00	.19336569+01	.19042251+00	.27725619+01	.72233499+00
.24958202+00	.19337660+01	.18972504+00	.27842136+01	.73047699+00

TABLE 104. (Concluded)

$$M_{\infty} = .22499886+02$$

$$\Theta_s = .21816615+00$$

Θ	M_1^*	ψ_1	x	r
.24609137+00	.19333475+01	.19236698+00	.27960196+01	.70231142+00
.24652770+00	.19333886+01	.19197679+00	.28079833+01	.70661912+00
.24696402+00	.19334303+01	.19158632+00	.28201085+01	.71097893+00
.24740035+00	.19334727+01	.19119553+00	.28323989+01	.71539202+00
.24783667+00	.19335158+01	.19080438+00	.28448584+01	.71985960+00
.24827300+00	.19335595+01	.19041284+00	.28574910+01	.72438291+00
.24870932+00	.19336039+01	.19002086+00	.28703011+01	.72896329+00
.24914565+00	.19336490+01	.18962841+00	.28832930+01	.73360218+00
.24958197+00	.19336948+01	.18923544+00	.28964711+01	.73830088+00
.25001829+00	.19337412+01	.18884192+00	.29098402+01	.74306388+00
.25045462+00	.19337884+01	.18844780+00	.29234049+01	.74788367+00
.25089094+00	.19338363+01	.18805303+00	.29371707+01	.75277092+00
.25132727+00	.19338850+01	.18765758+00	.29511423+01	.75772410+00
.25176359+00	.19339343+01	.18726139+00	.29653255+01	.76274501+00
.25219992+00	.19339844+01	.18686442+00	.29797260+01	.76783543+00
.25263624+00	.19340353+01	.18646663+00	.29943495+01	.77299713+00
.25307257+00	.19340869+01	.18606795+00	.30092023+01	.77823205+00
.25350889+00	.19341392+01	.18566835+00	.30242905+01	.78354213+00
.25394522+00	.19341924+01	.18526775+00	.30396209+01	.78892940+00
.25438154+00	.19342463+01	.18486612+00	.30552007+01	.79439615+00
.25481787+00	.19343011+01	.18446340+00	.30710367+01	.79994445+00
.25524693+00	.19343567+01	.18406625+00	.30868664+01	.80548227+00

$$.22931036+01 = \Delta S/R$$

$$.43690427+02 = P_s/P_{\infty}$$

$$.38534279+01 = \rho_s/\rho_{\infty}$$

$$.11338068+02 = T_s/T_{\infty}$$

TABLE 105. CONICAL FLOWFIELD $\theta_s = 12.5 \text{ DEG}$; $M_\infty = 25.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.96670146+00	.24999854+02	.21816615+00	.25452847+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.21816615+00	.19333667+01	.21816615+00	.22553542+01	.50000000+00
.21903881+00	.19333681+01	.21729687+00	.22677506+01	.50482482+00
.21991148+00	.19333725+01	.21643416+00	.22803653+01	.50972201+00
.22078414+00	.19333797+01	.21557773+00	.22932043+01	.51469345+00
.22165681+00	.19333897+01	.21472729+00	.23062740+01	.51974127+00
.22252947+00	.19334024+01	.21388257+00	.23195811+01	.52486758+00
.22340214+00	.19334179+01	.21304330+00	.23331326+01	.53007468+00
.22427480+00	.19334360+01	.21220922+00	.23469358+01	.53536493+00
.22514746+00	.19334567+01	.21138007+00	.23609982+01	.54074074+00
.22602013+00	.19334800+01	.21055561+00	.23753279+01	.54620472+00
.22689279+00	.19335059+01	.20973557+00	.23899333+01	.55175954+00
.22776546+00	.19335343+01	.20891973+00	.24048230+01	.55740801+00
.22863812+00	.19335652+01	.20810785+00	.24200062+01	.56315306+00
.22907445+00	.19335816+01	.20770331+00	.24277109+01	.56606275+00
.22951078+00	.19335986+01	.20729968+00	.24354925+01	.56899775+00
.22994712+00	.19336163+01	.20689692+00	.24433525+01	.57195846+00
.23038345+00	.19336345+01	.20649500+00	.24512919+01	.57494529+00
.23081978+00	.19336534+01	.20609389+00	.24593123+01	.57795867+00
.23125611+00	.19336729+01	.20569357+00	.24674150+01	.58099906+00
.23169244+00	.19336929+01	.20529401+00	.24756013+01	.58406689+00
.23212878+00	.19337136+01	.20489517+00	.24838728+01	.58716261+00
.23256511+00	.19337349+01	.20449703+00	.24922308+01	.59028669+00
.23300144+00	.19337568+01	.20409956+00	.25006770+01	.59343963+00
.23343777+00	.19337794+01	.20370274+00	.25092128+01	.59662189+00
.23387410+00	.19338025+01	.20330652+00	.25178400+01	.59983405+00
.23431044+00	.19338262+01	.20291090+00	.25265599+01	.60307652+00
.23474677+00	.19338505+01	.20251583+00	.25353744+01	.60634993+00
.23518310+00	.19338754+01	.20212129+00	.25442852+01	.60965478+00
.23561943+00	.19339010+01	.20172724+00	.25532941+01	.61299162+00
.23605577+00	.19339271+01	.20133367+00	.25624028+01	.61636105+00
.23649210+00	.19339538+01	.20094054+00	.25716133+01	.61976368+00
.23692843+00	.19339812+01	.20054783+00	.25809273+01	.62320003+00
.23736476+00	.19340091+01	.20015549+00	.25903470+01	.62667084+00
.23780109+00	.19340376+01	.19976352+00	.25998743+01	.63017668+00
.23823743+00	.19340668+01	.19937187+00	.26095114+01	.63371822+00
.23867376+00	.19340965+01	.19898051+00	.26192604+01	.63729616+00
.23911009+00	.19341269+01	.19858942+00	.26291234+01	.64091115+00
.23954642+00	.19341579+01	.19819857+00	.26391030+01	.64456399+00
.23998275+00	.19341894+01	.19780792+00	.26492011+01	.64825533+00
.24041909+00	.19342216+01	.19741745+00	.26594203+01	.65198595+00

TABLE 105. (Concluded)

$$M_{\infty} = .24999854+02$$

$$\Theta_s = .21816615+00$$

Θ	M_1^*	ψ_1	x	r
.24085542+00	.19342544+01	.19702713+00	.26697631+01	.65575665+00
.24129175+00	.19342879+01	.19663692+00	.26602320+01	.65956621+00
.24172808+00	.19343219+01	.19624679+00	.26908297+01	.66342150+00
.24216441+00	.19343566+01	.19585671+00	.27015589+01	.66731733+00
.24260075+00	.19343918+01	.19546665+00	.27124223+01	.67125658+00
.24303708+00	.19344278+01	.19507658+00	.27234229+01	.67524019+00
.24347341+00	.19344643+01	.19468646+00	.27345638+01	.67926911+00
.24390974+00	.19345015+01	.19429626+00	.27458478+01	.68334424+00
.24434607+00	.19345395+01	.19390694+00	.27572780+01	.68746652+00
.24478239+00	.19345781+01	.19351549+00	.27688580+01	.69163711+00
.24521872+00	.19346174+01	.19312484+00	.27805910+01	.69585699+00
.24565504+00	.19346573+01	.19273398+00	.27924809+01	.70012737+00
.24609137+00	.19346979+01	.19234286+00	.28045308+01	.70444925+00
.24652769+00	.19347391+01	.19195144+00	.28167448+01	.70882391+00
.24696402+00	.19347810+01	.19155970+00	.28291268+01	.71325252+00
.24740034+00	.19348236+01	.19116759+00	.28416805+01	.71773629+00
.24783666+00	.19348668+01	.19077568+00	.28544104+01	.72227661+00
.24827299+00	.19349108+01	.19038211+00	.28673207+01	.72687474+00
.24870931+00	.19349554+01	.18998866+00	.28804157+01	.73153206+00
.24914564+00	.19350007+01	.18959467+00	.28937003+01	.73625010+00
.24958196+00	.19350467+01	.18920012+00	.29071794+01	.74103035+00
.25001829+00	.19350935+01	.18880494+00	.29208575+01	.74587424+00
.25045461+00	.19351409+01	.18840911+00	.29347403+01	.75078354+00
.25089094+00	.19351891+01	.18801257+00	.29488330+01	.75575964+00
.25132726+00	.19352380+01	.18761527+00	.29631411+01	.76080484+00
.25176359+00	.19352877+01	.18721717+00	.29776705+01	.76592039+00
.25219991+00	.19353381+01	.18681822+00	.29924273+01	.77110834+00
.25263624+00	.19353893+01	.18641837+00	.30074178+01	.77637073+00
.25307256+00	.19354412+01	.18601756+00	.30226487+01	.78170951+00
.25350888+00	.19354940+01	.18561574+00	.30381265+01	.78712676+00
.25394521+00	.19355475+01	.18521285+00	.30538586+01	.79262476+00
.25438153+00	.19356019+01	.18480884+00	.30698526+01	.79820583+00
.25481787+00	.19356574+01	.18440725+00	.30752991+01	.80010445+00

$$.25628707+01 = \Delta S/R$$

$$.53631537+02 = P_s/P_{\infty}$$

$$.39120266+01 = \rho_s/\rho_{\infty}$$

$$.13709400+02 = T_s/T_{\infty}$$

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TABLE 106. (Concluded)

$M_{\infty} = .27500205+02$			$\Theta_s = .21816615+00$	
$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.24085542+00	.19352548+01	.19701740+00	.26743129+01	.65687418+00
.24129175+00	.19352883+01	.19662660+00	.26849261+01	.66072337+00
.24172808+00	.19353224+01	.19623586+00	.26956716+01	.66461527+00
.24216441+00	.19353572+01	.19584515+00	.27065520+01	.66855069+00
.24260075+00	.19353925+01	.19545442+00	.27175704+01	.67253061+00
.24303708+00	.19354285+01	.19506366+00	.27287298+01	.67655597+00
.24347341+00	.19354652+01	.19467282+00	.27400331+01	.68062770+00
.24390974+00	.19355026+01	.19428187+00	.27514834+01	.68474672+00
.24434606+00	.19355407+01	.19389078+00	.27630843+01	.68891417+00
.24478238+00	.19355795+01	.19349951+00	.27748392+01	.69313114+00
.24521871+00	.19356189+01	.19310802+00	.27867517+01	.69739873+00
.24565503+00	.19356589+01	.19271628+00	.27988254+01	.70171802+00
.24609136+00	.19356996+01	.19232424+00	.28110640+01	.70609026+00
.24652768+00	.19357410+01	.19193188+00	.28234717+01	.71051668+00
.24696401+00	.19357830+01	.19153916+00	.28360523+01	.71499850+00
.24740033+00	.19358258+01	.19114603+00	.28488099+01	.71953698+00
.24783666+00	.19358692+01	.19075244+00	.28617493+01	.72413360+00
.24827298+00	.19359133+01	.19035838+00	.28748748+01	.72878969+00
.24870931+00	.19359581+01	.18996378+00	.28881909+01	.73350669+00
.24914563+00	.19360036+01	.18956861+00	.29017027+01	.73828615+00
.24958196+00	.19360498+01	.18917282+00	.29154150+01	.74312955+00
.25001828+00	.19360967+01	.18877636+00	.29293333+01	.74803862+00
.25045460+00	.19361444+01	.18837919+00	.29434630+01	.75301500+00
.25089093+00	.19361927+01	.18798127+00	.29578097+01	.75806046+00
.25132725+00	.19362419+01	.18758254+00	.29723795+01	.76317684+00
.25176358+00	.19362918+01	.18718295+00	.29871782+01	.76836596+00
.25219990+00	.19363425+01	.18678246+00	.30022125+01	.77362984+00
.25263623+00	.19363939+01	.18638101+00	.30174888+01	.77897055+00
.25307255+00	.19364461+01	.18597854+00	.30330143+01	.78439020+00
.25350888+00	.19364992+01	.18557499+00	.30487961+01	.78989104+00
.25394520+00	.19365530+01	.18517031+00	.30648418+01	.79547541+00
.25399524+00	.19365592+01	.18512383+00	.30666990+01	.79612121+00

$$.28138432+01 = \Delta S/R$$

$$.64620957+02 = P_s/P_{\infty}$$

$$.39570636+01 = \rho_s/\rho_{\infty}$$

$$.16330533+02 = T_s/T_{\infty}$$

10 TABLE 107. CONICAL FLOWFIELD $\theta_s = 12.5$ DEG; $M_\infty = 30.0$

u_s	M_∞	θ_s	θ_w	
.96758172+00	.29999843+02	.21816615+00	.25358886+00	
θ	M_1^*	ψ_1	x	r
.21816615+00	.19351271+01	.21816615+00	.22553542+01	.50000000+00
.21903881+00	.19351286+01	.21729687+00	.22679385+01	.50486665+00
.21991148+00	.19351330+01	.21643415+00	.22807476+01	.50980747+00
.22078414+00	.19351402+01	.21557770+00	.22937877+01	.51482441+00
.22165681+00	.19351502+01	.21472222+00	.23070658+01	.51991969+00
.22252947+00	.19351629+01	.21388244+00	.23205886+01	.52509556+00
.22340214+00	.19351784+01	.21304308+00	.23343635+01	.53035434+00
.22427480+00	.19351965+01	.21220887+00	.23483982+01	.53569853+00
.22514746+00	.19352172+01	.21137955+00	.23627007+01	.54113066+00
.22602013+00	.19352406+01	.21055487+00	.23772794+01	.54665346+00
.22689279+00	.19352665+01	.20973457+00	.23921430+01	.55226970+00
.22776546+00	.19352949+01	.20891840+00	.24073007+01	.55798231+00
.22863812+00	.19353259+01	.20810612+00	.24227622+01	.56379439+00
.22951078+00	.19353423+01	.20729137+00	.24386100+01	.56970916+00
.22994712+00	.19353511+01	.20729750+00	.24546546+01	.57572997+00
.23038345+00	.19353770+01	.20689448+00	.24710729+01	.58186039+00
.23081978+00	.19353953+01	.20649228+00	.24878557+01	.58810412+00
.23125611+00	.19354142+01	.20609088+00	.25049981+01	.59446508+00
.23169244+00	.19354337+01	.20569024+00	.25225132+01	.60094738+00
.23212878+00	.19354538+01	.20529033+00	.25404146+01	.60755531+00
.23256511+00	.19354746+01	.20489113+00	.25587167+01	.61429348+00
.23300144+00	.19354959+01	.20449261+00	.25774349+01	.62116671+00
.23343777+00	.19355179+01	.20409473+00	.25965852+01	.62818002+00
.23387410+00	.19355404+01	.20369747+00	.26161846+01	.63533881+00
.23431044+00	.19355636+01	.20330080+00	.26261584+01	.63897451+00
.23474677+00	.19355874+01	.20290468+00	.26362512+01	.64264870+00
.23518310+00	.19356118+01	.20250910+00	.26464657+01	.64636224+00
.23561943+00	.19356367+01	.20211401+00	.26568043+01	.65011582+00
.23605577+00	.19356623+01	.20171940+00	.26672694+01	.65391025+00
.23649210+00	.19356886+01	.20132523+00		
.23692843+00	.19357154+01	.20093146+00		
.23736476+00	.19357428+01	.20053808+00		
.23780109+00	.19357708+01	.20014505+00		
.23823743+00	.19357994+01	.19975234+00		
.23867376+00	.19358287+01	.19935992+00		
.23911009+00	.19358585+01	.19896776+00		
.23954642+00	.19358890+01	.19857583+00		
.23998275+00	.19359201+01	.19818410+00		
.24041909+00	.19359518+01	.19779253+00		
	.19359841+01	.19740110+00		

TABLE 107. (Concluded)

$M_{\infty} = .29999843+02$		$\Theta_s = .21816615+00$		
Θ	M^*_1	ψ_1	x	r
.24085542+00	.19360170+01	.19700977+00	.26778639+01	.66774640+00
.24129175+00	.19360506+01	.19661851+00	.26805909+01	.66162510+00
.24172808+00	.19360847+01	.19622729+00	.26994519+01	.66554729+00
.24216441+00	.19361196+01	.19583507+00	.27104509+01	.66951378+00
.24260075+00	.19361550+01	.19544483+00	.27215908+01	.67352557+00
.24303708+00	.19361911+01	.19505352+00	.27326747+01	.67758366+00
.24347341+00	.19362278+01	.19466211+00	.27443056+01	.68168900+00
.24390974+00	.19362653+01	.19427657+00	.27558867+01	.68584255+00
.24434606+00	.19363035+01	.19387882+00	.27676217+01	.68900454+00
.24478238+00	.19363424+01	.19348696+00	.27795141+01	.69429889+00
.24521871+00	.19363818+01	.19309480+00	.27915677+01	.69860394+00
.24565503+00	.19364220+01	.19270237+00	.28037859+01	.70296171+00
.24609136+00	.19364628+01	.19230962+00	.28161729+01	.70737353+00
.24652768+00	.19365043+01	.19191652+00	.28287328+01	.71184062+00
.24696401+00	.19365464+01	.19152302+00	.28414699+01	.71636432+00
.24740033+00	.19365893+01	.19112908+00	.28543881+01	.72094590+00
.24783666+00	.19366328+01	.19073866+00	.28674924+01	.72558682+00
.24827298+00	.19366770+01	.19033972+00	.28807873+01	.73028855+00
.24870931+00	.19367220+01	.18994422+00	.28942775+01	.73505247+00
.24914563+00	.19367676+01	.18954811+00	.29079683+01	.73988033+00
.24958196+00	.19368140+01	.18915134+00	.29218648+01	.74477359+00
.25001828+00	.19368611+01	.18875388+00	.29359726+01	.74973404+00
.25045460+00	.19369089+01	.18835567+00	.29502974+01	.75476342+00
.25089093+00	.19369574+01	.18795665+00	.29648447+01	.75986347+00
.25132725+00	.19370067+01	.18755679+00	.29796211+01	.76503616+00
.25176358+00	.19370568+01	.18715603+00	.29946328+01	.77028344+00
.25219990+00	.19371077+01	.18675432+00	.30098865+01	.77560735+00
.25263623+00	.19371593+01	.18635159+00	.30253892+01	.78101005+00
.25307255+00	.19372118+01	.18594781+00	.30411477+01	.78649365+00
.25350888+00	.19372650+01	.18554289+00	.30571703+01	.79206066+00
.25356886+00	.19372749+01	.18546853+00	.30601363+01	.79309030+00

$$.30477983+01 = \Delta S/R$$

$$.76652671+02 = P_s/P_{\infty}$$

$$.39922808+01 = \rho_s/\rho'_{\infty}$$

$$.19200221+02 = T_s/T_{\infty}$$

TABLE 108. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 1.2456277$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.30000938+00	.12456277+01	.26179938+00	.10121471+01	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.26179938+00	.10000000+01	.26179938+00	.18560254+01	.50000000+00
.28361598+00	.10004184+01	.24161957+00	.18362261+01	.54104052+00
.30543259+00	.10014873+01	.22423744+00	.18164417+01	.58281135+00
.32724919+00	.10030028+01	.20908500+00	.17924346+01	.62542219+00
.34906580+00	.10046301+01	.19573890+00	.17690335+01	.66898935+00
.37088240+00	.10068782+01	.18387669+00	.17431160+01	.71363744+00
.39075387+00	.10089030+01	.17405789+00	.17136690+01	.75978363+00
.41102495+00	.10110269+01	.16612794+00	.16833656+01	.79907296+00
.43109623+00	.10132280+01	.15978095+00	.16541726+01	.84362493+00
.45116750+00	.10154795+01	.14945339+00	.16260551+01	.89957554+00
.47123878+00	.10177775+01	.14251934+00	.15991084+01	.93707222+00
.48956472+00	.10199060+01	.13662787+00	.15728551+01	.96192692+00
.50789060+00	.10220584+01	.13110770+00	.15475694+01	.10283434+01
.52621640+00	.10242313+01	.12591861+00	.15232867+01	.10764736+01
.54454219+00	.10264229+01	.12102581+00	.15000534+01	.11264670+01
.56286798+00	.10286319+01	.11639865+00	.14779274+01	.11785725+01
.57944445+00	.10306454+01	.11241876+00	.14560645+01	.12276599+01
.59602693+00	.10326735+01	.10861675+00	.14352287+01	.12787937+01
.61260941+00	.10347168+01	.10497677+00	.14154940+01	.13321722+01
.62919789+00	.10367766+01	.10148448+00	.13968947+01	.13880185+01
.64577036+00	.10388543+01	.98126799+00	.13796593+01	.14465853+01
.66060553+00	.10407301+01	.95226929+00	.13622797+01	.15015274+01
.67544069+00	.10426233+01	.92417374+00	.13460956+01	.15591110+01
.69027586+00	.10445359+01	.89690827+00	.13312514+01	.16196014+01
.70511102+00	.10464699+01	.87040417+00	.13176796+01	.16833006+01
.71994618+00	.10484275+01	.84459618+00	.13051337+01	.17505547+01
.73303603+00	.10501767+01	.82235292+00	.12937331+01	.18113152+01
.74612588+00	.10519485+01	.80056250+00	.12832613+01	.18791673+01
.75921573+00	.10537452+01	.77918485+00	.12737450+01	.19489215+01
.77230559+00	.10555694+01	.75818114+00	.12651176+01	.20228434+01
.78539544+00	.10574239+01	.73751256+00	.12574259+01	.21014144+01
.79673977+00	.10590582+01	.71784112+00	.12494459+01	.21737024+01
.80808451+00	.10607201+01	.70236636+00	.12404735+01	.22503287+01
.81942905+00	.10624122+01	.68506263+00	.12324465+01	.23317662+01
.83077358+00	.10641376+01	.66790296+00	.12248450+01	.24186601+01
.84211812+00	.10658996+01	.65085851+00	.12171599+01	.25115953+01
.85171735+00	.10674221+01	.63650437+00	.12122742+01	.25955805+01
.86131657+00	.10689763+01	.62219165+00	.12099458+01	.26860607+01
.87091579+00	.10705652+01	.60789950+00	.12081578+01	.27807031+01
.88051502+00	.10721923+01	.59360489+00	.12061058+01	.28833033+01

TABLE 108. (Concluded)

$$M_{\odot} = .12456277+01$$

$$\Theta_s = .26179933+00$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.89011424+00	.10738616+01	.57923219-01	.24243467+01	.29937963+01
.89796615+00	.10752621+01	.56752279-01	.29530038+01	.30908860+01
.90562206+00	.10766968+01	.55570833-01	.29349795+01	.31946936+01
.91367597+00	.10781642+01	.54381892-01	.29507262+01	.33061851+01
.92152988+00	.10796831+01	.53183220-01	.26007830+01	.34263769+01
.92934379+00	.10812431+01	.51972216-01	.26556111+01	.35565325+01
.93549239+00	.10824914+01	.51019944+01	.27025583+01	.36654295+01
.94160099+00	.10837746+01	.50036793-01	.27532586+01	.37825563+01
.94770758+00	.10850948+01	.49080901-01	.28041638+01	.39083562+01
.95381618+00	.10864567+01	.48090078-01	.28586407+01	.40442643+01
.95992678+00	.10878648+01	.47081761-01	.29352062+01	.41918704+01
.96429006+00	.10889020+01	.46349196+01	.29566276+01	.43051543+01
.96865334+00	.10899661+01	.45604773-01	.30424630+01	.44267695+01
.97301605+00	.10910668+01	.44847198-01	.31026348+01	.45567805+01
.97737636+00	.10921965+01	.44074662-01	.31679835+01	.46966677+01
.98174068+00	.10933701+01	.43264960-01	.32592884+01	.48478639+01
.98435806+00	.10940935+01	.42801924-01	.32853179+01	.49447191+01
.98697545+00	.10948337+01	.42311199-01	.33340747+01	.50467106+01
.98959284+00	.10955721+01	.41812114+01	.33856393+01	.51543484+01
.99221023+00	.10963700+01	.41303851-01	.34409363+01	.52682201+01
.99482762+00	.10971692+01	.40785529-01	.34997407+01	.53890094+01
.99744501+00	.10979916+01	.40256090-01	.35626976+01	.55175149+01
.10000244+01	.10988394+01	.39714307-01	.36303304+01	.56546806+01
.10026796+01	.10997163+01	.39158762-01	.37032645+01	.58016300+01
.10052972+01	.11006225+01	.38587809-01	.37822594+01	.59597228+01
.10079146+01	.11015645+01	.37999392-01	.38682411+01	.61306134+01
.10105319+01	.11025460+01	.37391096-01	.39623619+01	.63153540+01
.10121471+01	.11031736+01	.37004501-01	.40251203+01	.64394768+01

$$.19691698-03 = \Delta S/R$$

$$.13809529+01 = P_s/P_{\infty}$$

$$.12135779+01 = \rho_s/\rho_{\infty}$$

$$.11379022+01 = T_s/T_{\infty}$$

TABLE 109. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 1.5$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.57968248+00	.14999922+01	.26179938+00	.79482573+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.26179938+00	.11593432+01	.26179938+00	.18660254+01	.50000000+00
.27750733+00	.11596039+01	.24695664+00	.18797780+01	.53546879+00
.29321529+00	.11602981+01	.23364800+00	.18945760+01	.57200615+00
.30892324+00	.11613251+01	.22162672+00	.19104736+01	.60970981+00
.32463120+00	.11626041+01	.21069667+00	.19275328+01	.64868637+00
.34033915+00	.11640856+01	.20070042+00	.19456254+01	.68905278+00
.35473811+00	.11655840+01	.19224635+00	.19637473+01	.72738631+00
.36913707+00	.11671917+01	.18438521+00	.19828470+01	.76710548+00
.38353603+00	.11688897+01	.17704696+00	.20032061+01	.80833107+00
.39793499+00	.11706635+01	.17017206+00	.20249184+01	.85119711+00
.41233395+00	.11725017+01	.16370903+00	.20480893+01	.89585242+00
.42542391+00	.11742214+01	.15815349+00	.20705202+01	.93814024+00
.43851387+00	.11759821+01	.15287235+00	.20943578+01	.98218319+00
.45160383+00	.11777799+01	.14783958+00	.21197175+01	.10261365+01
.46469380+00	.11796120+01	.14303201+00	.21467297+01	.10761736+01
.47778376+00	.11814764+01	.13842891+00	.21755428+01	.11264899+01
.48956472+00	.11831810+01	.13444536+00	.22031534+01	.11739044+01
.50134568+00	.11849102+01	.13059980+00	.22324985+01	.12235232+01
.51312654+00	.11866640+01	.12688062+00	.22637364+01	.12755491+01
.52490741+00	.11884429+01	.12327726+00	.22970465+01	.13302114+01
.53668828+00	.11902472+01	.11977966+00	.23326344+01	.13877701+01
.54716016+00	.11918733+01	.11675260+00	.23663695+01	.14416033+01
.55763204+00	.11935214+01	.11379551+00	.24022782+01	.14981945+01
.56810392+00	.11951926+01	.11090281+00	.24405756+01	.15578114+01
.57857580+00	.11968884+01	.10806881+00	.24815077+01	.16207590+01
.58904768+00	.11986104+01	.10528794+00	.25253576+01	.16873865+01
.59821057+00	.12001403+01	.10269406+00	.25663760+01	.17490187+01
.60737347+00	.12016933+01	.10053319+00	.26101313+01	.18140842+01
.61653636+00	.12032711+01	.98201774+00	.26569132+01	.18829356+01
.62569926+00	.12048758+01	.95898184+00	.27070569+01	.19559791+01
.63486215+00	.12065095+01	.93612738+00	.27609513+01	.20336841+01
.64271607+00	.12079349+01	.91670305+00	.28104742+01	.21044102+01
.65056998+00	.12093854+01	.89736883+00	.28634180+01	.21743593+01
.65842389+00	.12108631+01	.87815911+00	.29201677+01	.22589907+01
.66627780+00	.12123702+01	.85898638+00	.29811715+01	.23438371+01
.67413171+00	.12139095+01	.83984151+00	.30469549+01	.24345210+01
.68067663+00	.12152190+01	.82388595+00	.31058698+01	.25150746+01
.68722156+00	.12165550+01	.80790760+00	.31689540+01	.26006836+01
.69376648+00	.12179196+01	.79168496+00	.32360986+01	.26919234+01
.70031141+00	.12193156+01	.77579401+00	.33096784+01	.27894660+01

TABLE 109. (Concluded)

$$M_{\infty} = .14999922+01$$

$$\Theta_s = .26179938+00$$

$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.70685633+00	.12207458+01	.75960815-01	.33885739+01	.28941036+01
.71209227+00	.12219169+01	.74657112-01	.34564898+01	.29835495+01
.71732621+00	.12231142+01	.73343731-01	.35291988+01	.30787032+01
.72256415+00	.12243358+01	.72018757-01	.36072732+01	.31802252+01
.72780009+00	.12255965+01	.70680037-01	.36913869+01	.32888911+01
.73303603+00	.12268871+01	.69325089-01	.37823419+01	.34056205+01
.73826299+00	.12278794+01	.68296574-01	.38836177+01	.354991113+01
.74088936+00	.12286946+01	.67256046-01	.39337433+01	.36982804+01
.74481545+00	.12299385+01	.66201946-01	.40172768+01	.37037638+01
.74874153+00	.12310012+01	.65132543-01	.41066738+01	.38163065+01
.75266761+00	.12320972+01	.64045869-01	.42033010+01	.39367765+01
.75528500+00	.12328456+01	.63310696-01	.42718232+01	.40219945+01
.75790239+00	.12336093+01	.62566079-01	.43440977+01	.41115446+01
.76051978+00	.12343893+01	.61811164-01	.44204808+01	.42058279+01
.76313717+00	.12351869+01	.61044976-01	.45013803+01	.43053023+01
.76575456+00	.12360035+01	.60266443-01	.45872648+01	.44104936+01
.76837195+00	.12368407+01	.59474371-01	.46786771+01	.45220090+01
.77098934+00	.12377001+01	.58667347-01	.47762491+01	.46405545+01
.77360673+00	.12385838+01	.57843619-01	.48807218+01	.47669565+01
.77622411+00	.12394942+01	.57001919-01	.49929727+01	.49021913+01
.77884150+00	.12404340+01	.56139497-01	.51140533+01	.50474269+01
.78145889+00	.12414065+01	.55254042-01	.52452337+01	.52040707+01
.78407628+00	.12424156+01	.54342464-01	.53880680+01	.53738119+01
.78669367+00	.12434659+01	.53401120-01	.55444914+01	.55588759+01
.78931106+00	.12445633+01	.52425519-01	.57169447+01	.57618602+01
.79192845+00	.12457151+01	.51409908-01	.59085770+01	.59862546+01
.79454584+00	.12469305+01	.50347045-01	.61235451+01	.62366148+01
.79716323+00	.12482047+01	.50230220-01	.61481320+01	.62651626+01

$$.37776306-03 = \Delta S/R$$

$$.14548319+01 = P_s/P_{\infty}$$

$$.12520455+01 = \rho_s/\rho_{\infty}$$

$$.11619841+01 = T_s/T_{\infty}$$

TABLE 110. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 2.0$

u_s	M_∞	θ_s	θ_w	
.68701307+00	.19999984+01	.26179938+00	.60086110+00	
θ	M_1^*	ψ_1	x	r
.26179938+00	.13740004+01	.26179938+00	.18660254+01	.50000000+00
.27227135+00	.13741420+01	.25171623+00	.18666867+01	.52677236+00
.28274332+00	.13745338+01	.24235152+00	.19035104+01	.55447347+00
.29321529+00	.13751345+01	.23361110+00	.19315718+01	.58317584+00
.30368726+00	.13759118+01	.22542279+00	.19559555+01	.61295923+00
.31415923+00	.13768394+01	.21772360+00	.19817573+01	.64391188+00
.32375854+00	.13778040+01	.21104943+00	.20067457+01	.67339545+00
.33335784+00	.13788644+01	.20470463+00	.20331082+01	.70402671+00
.34295715+00	.13800099+01	.19865736+00	.20609487+01	.73589788+00
.35255645+00	.13812317+01	.19267940+00	.20903333+01	.76911116+00
.36215576+00	.13825226+01	.18673455+00	.21215426+01	.80378042+00
.37088240+00	.13837513+01	.18085076+00	.21514897+01	.83666842+00
.37960904+00	.13850267+01	.17763729+00	.21831083+01	.87097172+00
.38833568+00	.13863523+01	.17332056+00	.22165377+01	.90660932+00
.39706232+00	.13877196+01	.16894441+00	.22519352+01	.94431458+00
.40578897+00	.13891292+01	.16469682+00	.22894784+01	.98363732+00
.41364294+00	.13904330+01	.16097459+00	.23252676+01	.10207209+01
.42149692+00	.13917696+01	.15733967+00	.23631236+01	.10595518+01
.42935090+00	.13931389+01	.15378474+00	.24032336+01	.11002859+01
.43720488+00	.13945411+01	.15030279+00	.24458100+01	.11430992+01
.44505885+00	.13959765+01	.14688708+00	.24910952+01	.11881911+01
.45204017+00	.13972811+01	.14390114+00	.25338455+01	.12303689+01
.45902148+00	.13986133+01	.14095776+00	.25791757+01	.12747076+01
.46600279+00	.13999742+01	.13805253+00	.26273386+01	.13214132+01
.47298411+00	.14013650+01	.13518084+00	.26786227+01	.13707201+01
.47996542+00	.14027871+01	.13233822+00	.27333598+01	.14228966+01
.48607407+00	.14040587+01	.12987106+00	.27843871+01	.14711470+01
.49218272+00	.14053569+01	.12741941+00	.28366471+01	.15220687+01
.49829137+00	.14066836+01	.12497992+00	.28964797+01	.15759340+01
.50439998+00	.14080406+01	.12254906+00	.29582769+01	.16330552+01
.51050857+00	.14094299+01	.12012318+00	.30244957+01	.16937980+01
.51574451+00	.14106485+01	.11804479+00	.30851763+01	.17490635+01
.52098045+00	.14118946+01	.11596441+00	.31498861+01	.18076087+01
.52621640+00	.14131702+01	.11387917+00	.32190852+01	.18697918+01
.53145234+00	.14144778+01	.11178584+00	.32932982+01	.19360278+01
.53668828+00	.14158201+01	.10968085+00	.33731509+01	.20068117+01
.54105156+00	.14169675+01	.10791498+00	.34445327+01	.20696816+01
.54541387+00	.14181445+01	.10613587+00	.35208295+01	.21364844+01
.54977619+00	.14193525+01	.10434055+00	.36026475+01	.22076927+01
.55413850+00	.14205940+01	.10252569+00	.36906828+01	.22838458+01

TABLE 110. (Concluded)

$M_{\infty} = .14949584+01$

$\Theta_s = .26174938+00$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.55550082+00	.14218726+01	.10066762+00	.37657652+01	.23655847+01
.56349067+00	.14229245+01	.99197619-01	.38675683+01	.24355068+01
.56548052+00	.14240049+01	.97667520-01	.39551232+01	.25070633+01
.56847037+00	.14251161+01	.96154489-01	.40491457+01	.25894970+01
.57246023+00	.14262615+01	.94595164-01	.41504679+01	.26747612+01
.57545008+00	.14274444+01	.93005717-01	.42601745+01	.27665377+01
.57856747+00	.14283589+01	.91791138-01	.43466544+01	.28402058+01
.58118486+00	.14292990+01	.90554846-01	.44431511+01	.29185425+01
.58380225+00	.14302671+01	.89294240-01	.45444049+01	.30021082+01
.58641963+00	.14312661+01	.88006362-01	.46532965+01	.30915689+01
.58903702+00	.14322993+01	.86687639-01	.47706855+01	.31877236+01
.59078195+00	.14330091+01	.85789362-01	.48547357+01	.32560165+01
.59252688+00	.14337371+01	.84874094-01	.49434711+01	.33280512+01
.59427180+00	.14344850+01	.83940223-01	.50376147+01	.34042200+01
.59601673+00	.14352545+01	.82985906-01	.51377789+01	.34849613+01
.59776165+00	.14360477+01	.82008868-01	.52446819+01	.35708722+01
.59950658+00	.14368671+01	.81006676-01	.53591773+01	.36625297+01
.60086110+00	.14375229+01	.80209434-01	.54539366+01	.37361373+01

$.21234602-02 = \Delta S/R$

$.14813360+01 = P_s/P_{\infty}$

$.13646495+01 = \rho_s/\rho_{\infty}$

$.12320644+01 = T_s/T_{\infty}$

TABLE 111. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 2.5$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.75716196+00	.24999954+01	.26179936+00	.50636184+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.26179938+00	.15142955+01	.26179936+00	.18660254+01	.50000000+00
.26878069+00	.15143664+01	.25499384+00	.18656065+01	.51939080+00
.27576201+00	.15145675+01	.24851697+00	.19061279+01	.53937979+00
.28274332+00	.15148841+01	.24233771+00	.19275511+01	.56000531+00
.28972463+00	.15153038+01	.23642876+00	.19499628+01	.58130911+00
.29670594+00	.15157814+01	.23111306+00	.19719269+01	.60193778+00
.30368725+00	.15163330+01	.22599584+00	.19948712+01	.62324338+00
.31066856+00	.15169523+01	.22106103+00	.20186577+01	.64527033+00
.31764987+00	.15176338+01	.21629408+00	.20439545+01	.66806722+00
.32463118+00	.15183221+01	.21196463+00	.20684464+01	.69008582+00
.33161249+00	.15190574+01	.20779991+00	.20940384+01	.71286871+00
.33859380+00	.15198369+01	.20373075+00	.21208044+01	.73646755+00
.34557511+00	.15206583+01	.19976863+00	.21488259+01	.76093903+00
.35255642+00	.15214569+01	.19617841+00	.21760485+01	.78644982+00
.35953773+00	.15222867+01	.19266765+00	.22045104+01	.80891822+00
.36651904+00	.15231525+01	.18923068+00	.22342992+01	.83425906+00
.37350035+00	.15240476+01	.18586211+00	.22655115+01	.86058691+00
.38048166+00	.15249009+01	.18280892+00	.22956789+01	.88582861+00
.38746297+00	.15257800+01	.17980574+00	.23272435+01	.91203658+00
.39444428+00	.15266845+01	.17684879+00	.23603083+01	.93928056+00
.40142559+00	.15276144+01	.17393440+00	.23949876+01	.96763760+00
.40840690+00	.15284892+01	.17129717+00	.24283035+01	.99468207+00
.41538821+00	.15293657+01	.16868996+00	.24631910+01	.10228061+01
.42236952+00	.15303039+01	.16611002+00	.24997705+01	.10520902+01
.42935083+00	.15312444+01	.16355470+00	.25381761+01	.10826236+01
.43633214+00	.15321191+01	.16125075+00	.25748003+01	.11115486+01
.44331345+00	.15330131+01	.15896279+00	.26131820+01	.11416709+01
.45029476+00	.15339269+01	.15668874+00	.26534606+01	.11730824+01
.45727607+00	.15348611+01	.15442642+00	.26957914+01	.12058855+01
.46425738+00	.15357201+01	.15239658+00	.27357873+01	.12366924+01
.47123869+00	.15365968+01	.15037676+00	.27777289+01	.12688123+01
.47821999+00	.15374922+01	.14835930+00	.28217741+01	.13023485+01
.48520130+00	.15384070+01	.14634428+00	.28681005+01	.13374169+01
.49218261+00	.15392372+01	.14455371+00	.29113552+01	.13699794+01
.49916392+00	.15400843+01	.14276211+00	.29567269+01	.14039568+01
.50614523+00	.15409490+01	.14096799+00	.30043910+01	.14394626+01
.51312654+00	.15418323+01	.13916972+00	.30545456+01	.14766246+01
.52010785+00	.15426216+01	.13759160+00	.31006480+01	.15106122+01
.52708916+00	.15434275+01	.13600794+00	.31489941+01	.15460845+01
.53407047+00	.15442502+01	.13441715+00	.31997721+01	.15831625+01

TABLE 111. (Concluded)

$$M_{\infty} = .24999954+01$$

$$\Theta_s = .26179938+00$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.46251196+00	.15450905+01	.13281777+00	.32531934+01	.16219612+01
.46512991+00	.15456256+01	.13143896+00	.33012670+01	.16567549+01
.46774786+00	.15465752+01	.13005151+00	.33516260+01	.16930265+01
.47036581+00	.15473402+01	.12865430+00	.34044589+01	.17309160+01
.47298376+00	.15481215+01	.12724596+00	.34599782+01	.17705582+01
.47516538+00	.15487859+01	.12606283+00	.35084683+01	.18090411+01
.47734700+00	.15494630+01	.12487008+00	.35591446+01	.18409441+01
.47952862+00	.15501535+01	.12366674+00	.36121809+01	.18783768+01
.48171025+00	.15508564+01	.12245170+00	.36677704+01	.19174611+01
.48345555+00	.15514331+01	.12147043+00	.37142264+01	.19500093+01
.48520084+00	.15520182+01	.12048026+00	.37625790+01	.19837795+01
.48694614+00	.15526140+01	.11948043+00	.38129666+01	.20188584+01
.48869144+00	.15532212+01	.11847016+00	.38655410+01	.20553409+01
.49000042+00	.15536845+01	.11770511+00	.39065079+01	.20836871+01
.49130939+00	.15541548+01	.11693328+00	.39488786+01	.21129313+01
.49261636+00	.15546326+01	.11615425+00	.39927385+01	.21431269+01
.49392734+00	.15551182+01	.11536757+00	.40381812+01	.21743321+01
.49523631+00	.15556121+01	.11457277+00	.40853094+01	.22066108+01
.49654528+00	.15561144+01	.11376928+00	.41342354+01	.22400327+01
.49785426+00	.15566259+01	.11295646+00	.41850829+01	.22746746+01
.49916323+00	.15571470+01	.11213375+00	.42379892+01	.23106215+01
.50047211+00	.15576782+01	.11130029+00	.42931014+01	.23479643+01
.50178080+00	.15582202+01	.11045526+00	.43505839+01	.23868043+01
.50308950+00	.15587736+01	.10959794+00	.44106333+01	.24272633+01
.50439819+00	.15593392+01	.10872743+00	.44734609+01	.24694716+01
.50570688+00	.15599178+01	.10784262+00	.45393049+01	.25135757+01
.50636184+00	.15602125+01	.10739405+00	.45734732+01	.25364112+01

$$.78254044-02 = \Delta S/R$$

$$.19701464+01 = P_s/P_{\infty}$$

$$.14973450+01 = \rho_s/\rho_{\infty}$$

$$.13157173+01 = T_s/T_{\infty}$$

TABLE 112. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 3.0$

u_s	M_∞	θ_s	θ_w	
.80458266+00	.29999965+01	.26179936+00	.45133519+00	
θ	M_1^*	ψ_1	x	r
.26179938+00	.16091351+01	.26179938+00	.18660254+01	.50000000+00
.26703537+00	.16091780+01	.25666283+00	.18844973+01	.51554010+00
.27227135+00	.16093011+01	.25171429+00	.19036901+01	.53151979+00
.27750733+00	.16094976+01	.24693871+00	.19236425+01	.54796393+00
.28274332+00	.16097614+01	.24232252+00	.19443969+01	.56489946+00
.28797930+00	.16100874+01	.23785347+00	.19659995+01	.58235554+00
.29321529+00	.16104709+01	.23352036+00	.19885008+01	.60036372+00
.29845127+00	.16109080+01	.22931296+00	.20119553+01	.61895820+00
.30368726+00	.16113954+01	.22522194+00	.20364234+01	.63817634+00
.30892324+00	.16119300+01	.22123855+00	.20619713+01	.65805891+00
.31415923+00	.16125092+01	.21735475+00	.20886714+01	.67865038+00
.31935225+00	.16130245+01	.21418888+00	.21118591+01	.69638659+00
.32288587+00	.16135682+01	.21108286+00	.21359529+01	.71467972+00
.32724919+00	.16141393+01	.20803276+00	.21610078+01	.73356319+00
.33161251+00	.16147372+01	.20503486+00	.21870840+01	.75307330+00
.33577583+00	.16153611+01	.20208559+00	.22142472+01	.77324960+00
.34033915+00	.16160105+01	.19918150+00	.22425690+01	.79413519+00
.34470247+00	.16166851+01	.19631925+00	.22721289+01	.81577748+00
.34906580+00	.16173845+01	.19349560+00	.23030133+01	.83822812+00
.35342912+00	.16181085+01	.19070737+00	.23353181+01	.86154415+00
.35779244+00	.16188572+01	.18795143+00	.23691496+01	.88578657+00
.36128309+00	.16194739+01	.18576786+00	.23973929+01	.90589910+00
.36477375+00	.16201065+01	.18360137+00	.24267550+01	.92668741+00
.36826441+00	.16207552+01	.18145040+00	.24573087+01	.94819632+00
.37175506+00	.16214202+01	.17931338+00	.24891333+01	.97047234+00
.37524572+00	.16221017+01	.17710865+00	.25223166+01	.99356674+00
.37873638+00	.16228001+01	.17507457+00	.25569547+01	.10175356+01
.38222703+00	.16235158+01	.17296949+00	.25931542+01	.10424411+01
.38571769+00	.16242493+01	.17087166+00	.26310328+01	.10683514+01
.38920835+00	.16250011+01	.16877934+00	.26707215+01	.10953424+01
.39269900+00	.16257718+01	.16669058+00	.27123667+01	.11234988+01
.39531700+00	.16263628+01	.16512521+00	.27449821+01	.11454370+01
.39793499+00	.16269651+01	.16355986+00	.27788662+01	.11681275+01
.40055298+00	.16275793+01	.16199367+00	.28141026+01	.11916182+01
.40317097+00	.16282058+01	.16042570+00	.28507832+01	.12159618+01
.40578896+00	.16288452+01	.15885494+00	.28890091+01	.12412159+01
.40840691+00	.16294986+01	.15728053+00	.29288914+01	.12674440+01
.41102485+00	.16301659+01	.15570109+00	.29705542+01	.12947166+01
.41364280+00	.16308477+01	.15411539+00	.30141352+01	.13231120+01
.41626075+00	.16315448+01	.15252211+00	.30597873+01	.13527168+01

TABLE 112. (Concluded)

$$M_{\infty} = .29999765+01$$

$$\Theta_s = .26179938+00$$

Θ	M_1^*	ψ_1	x	r
.41887670+00	.16322579+01	.15091988+00	.31076823+01	.13836281+01
.42062400+00	.16327428+01	.14984597+00	.31409527+01	.14050147+01
.42236929+00	.16332353+01	.14876687+00	.31753684+01	.14270657+01
.42411459+00	.16337360+01	.14768210+00	.32109974+01	.14498193+01
.42585789+00	.16342452+01	.14659106+00	.32479149+01	.14733178+01
.42760619+00	.16347634+01	.14549317+00	.32862028+01	.14976070+01
.42935049+00	.16352908+01	.14438778+00	.33259499+01	.15227367+01
.43109579+00	.16358279+01	.14327418+00	.33672551+01	.15487621+01
.43284108+00	.16363753+01	.14215162+00	.34102257+01	.15757431+01
.43458638+00	.16369334+01	.14101933+00	.34549816+01	.16037465+01
.43633168+00	.16375028+01	.13987636+00	.35016547+01	.16328457+01
.43720433+00	.16377919+01	.13930060+00	.35257558+01	.16478315+01
.43807698+00	.16380842+01	.13872177+00	.35503925+01	.16631225+01
.43894963+00	.16383795+01	.13813980+00	.35755860+01	.16787304+01
.43982228+00	.16386782+01	.13755451+00	.36013588+01	.16946678+01
.44069493+00	.16389802+01	.13696573+00	.36277340+01	.17109473+01
.44156758+00	.16392857+01	.13637334+00	.36547374+01	.17275832+01
.44244023+00	.16395948+01	.13577718+00	.36823957+01	.17445903+01
.44331288+00	.16399076+01	.13517703+00	.37107366+01	.17619839+01
.44418553+00	.16402242+01	.13457274+00	.37397906+01	.17797807+01
.44505817+00	.16405448+01	.13396417+00	.37695903+01	.17979987+01
.44593082+00	.16408695+01	.13335104+00	.38001697+01	.18166567+01
.44680347+00	.16411984+01	.13273310+00	.38315656+01	.18357748+01
.44767612+00	.16415317+01	.13211016+00	.38638176+01	.18553748+01
.44854877+00	.16418696+01	.13148195+00	.38969682+01	.18754601+01
.44942142+00	.16422124+01	.13084821+00	.39310626+01	.18961153+01
.45029407+00	.16425600+01	.13020869+00	.39661499+01	.19173074+01
.45116672+00	.16429129+01	.12956306+00	.40022830+01	.19390854+01
.45133519+00	.16429817+01	.12943766+00	.40093840+01	.19433599+01

$$.20265378-01 = \Delta S/R$$

$$.23159334+01 = P_s/P_{\infty}$$

$$.16417639+01 = \rho_s/\rho_{\infty}$$

$$.14106373+01 = T_s/T_{\infty}$$

TABLE 113. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 4.0$

u_s	M_∞	θ_s	θ_w	
.86132586+00	.39999926+01	.26179938+00	.39199816+00	
θ	M_1^*	ψ_1	x	r
.26179938+00	.17226194+01	.26179938+00	.18660254+01	.50000000+00
.26529304+00	.17226400+01	.25835317+00	.18825213+01	.51146968+00
.26878069+00	.17227000+01	.25499188+00	.18995499+01	.52322317+00
.27227135+00	.17227972+01	.25170993+00	.19171365+01	.53527409+00
.27576201+00	.17229294+01	.24850217+00	.19353081+01	.54763696+00
.27925266+00	.17230948+01	.24536377+00	.19540941+01	.56032740+00
.28274332+00	.17232918+01	.24229027+00	.19735257+01	.57336216+00
.28623398+00	.17235189+01	.23927747+00	.19936367+01	.58675914+00
.28972463+00	.17237748+01	.23632143+00	.20144638+01	.60053769+00
.29321529+00	.17240584+01	.23341843+00	.20360466+01	.61471863+00
.29670595+00	.17243686+01	.23056493+00	.20584279+01	.62932449+00
.30019660+00	.17247047+01	.22775756+00	.20816543+01	.64437959+00
.30368726+00	.17250657+01	.22499317+00	.21057761+01	.65991016+00
.30717792+00	.17254511+01	.22226861+00	.21308488+01	.67594497+00
.31066857+00	.17258604+01	.21958091+00	.21569322+01	.69251508+00
.31415923+00	.17262930+01	.21692720+00	.21840924+01	.70965455+00
.31677722+00	.17266326+01	.21495751+00	.22052125+01	.72290505+00
.31939521+00	.17269861+01	.21300418+00	.22270117+01	.73651358+00
.32201321+00	.17273503+01	.21106604+00	.22495257+01	.75049844+00
.32463120+00	.17277283+01	.20914195+00	.22727929+01	.76487922+00
.32724919+00	.17281190+01	.20723077+00	.22968548+01	.77967701+00
.32986718+00	.17285225+01	.20533134+00	.23217560+01	.79491463+00
.33248518+00	.17289387+01	.20344251+00	.23475451+01	.81061666+00
.33510317+00	.17293679+01	.20156313+00	.23742748+01	.82680985+00
.33772116+00	.17298101+01	.19969201+00	.24020022+01	.84352300+00
.34033915+00	.17302655+01	.19782796+00	.24307898+01	.86078765+00
.34295715+00	.17307343+01	.19596976+00	.24507059+01	.87863820+00
.34557514+00	.17312167+01	.19411614+00	.24918253+01	.89711213+00
.34819313+00	.17317131+01	.19226580+00	.25242302+01	.91625065+00
.35081112+00	.17322237+01	.19041739+00	.25580109+01	.93609890+00
.35342912+00	.17327490+01	.18856959+00	.25932677+01	.95670678+00
.35604711+00	.17332976+01	.18673371+00	.26176464+01	.97089435+00
.35866510+00	.17338473+01	.18490384+00	.26427658+01	.98546167+00
.36128309+00	.17343982+01	.18308693+00	.26686642+01	.10004276+01
.36390108+00	.17349606+01	.18133295+00	.26953836+01	.10158131+01
.36651907+00	.17355345+01	.17964420+00	.27229589+01	.10316402+01
.36913706+00	.17361190+01	.17801547+00	.27514684+01	.10479327+01
.37175505+00	.17367144+01	.17644724+00	.27809347+01	.10647167+01
.37437304+00	.17373200+01	.17493788+00	.28114249+01	.10820200+01
.37699103+00	.17379350+01	.17348372+00	.28430010+01	.10998733+01

TABLE 113. (Concluded)

$M_{\infty} = .39999926+01$		$\Theta_s = .26179938+00$		
$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.37088217+00	.17366737+01	.17614409+00	.28757305+01	.11183094+01
.37262747+00	.17371116+01	.17487826+00	.29096877+01	.11373649+01
.37437277+00	.17375589+01	.17360546+00	.29449548+01	.11570792+01
.37611806+00	.17380161+01	.17232480+00	.29816179+01	.11774959+01
.37786336+00	.17384835+01	.17103540+00	.30197782+01	.11986627+01
.37960866+00	.17389618+01	.16973626+00	.30595441+01	.12206327+01
.38048131+00	.17392052+01	.16908275+00	.30800664+01	.12319370+01
.38135396+00	.17394515+01	.16842636+00	.31010365+01	.12434646+01
.38222661+00	.17397008+01	.16776698+00	.31224715+01	.12552237+01
.38309926+00	.17399532+01	.16710444+00	.31443897+01	.12672232+01
.38397191+00	.17402087+01	.16643862+00	.31668106+01	.12794726+01
.38484456+00	.17404675+01	.16576928+00	.31897549+01	.12919817+01
.38571721+00	.17407296+01	.16509630+00	.32132445+01	.13047612+01
.38658985+00	.17409952+01	.16441946+00	.32373021+01	.13178219+01
.38746250+00	.17412643+01	.16373855+00	.32619527+01	.13311760+01
.38833515+00	.17415372+01	.16305340+00	.32872225+01	.13448359+01
.38920780+00	.17418138+01	.16236371+00	.33131396+01	.13588152+01
.39008045+00	.17420944+01	.16166931+00	.33397337+01	.13731280+01
.39095310+00	.17423790+01	.16096994+00	.33670371+01	.13877900+01
.39182575+00	.17426679+01	.16026531+00	.33950840+01	.14028173+01
.39199815+00	.17427255+01	.16012546+00	.34007164+01	.14058311+01

$$.72392151+01 = \Delta S/R$$

$$.31784276+01 = P_s/P_{\infty}$$

$$.19442191+01 = \rho_s/\rho_{\infty}$$

$$.16348095+01 = T_s/T_{\infty}$$

TABLE 114. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 5.0$

u_s	M_∞	θ_s	θ_w	
.89196648+00	.49999939+01	.26179938+00	.3620791+00	
θ	M_1^*	ψ_1	x	r
.26179938+00	.17838995+01	.26179938+00	.18660254+01	.50000000+00
.26529004+00	.17839209+01	.25835300+00	.18859256+01	.51239461+00
.26878069+00	.17839831+01	.25499057+00	.19065769+01	.52515874+00
.27227135+00	.17840837+01	.25170565+00	.19280227+01	.53831357+00
.27576201+00	.17842209+01	.24849227+00	.19503100+01	.55188206+00
.27925266+00	.17843928+01	.24534490+00	.19734900+01	.56568909+00
.28274332+00	.17845978+01	.24225836+00	.19976189+01	.58036189+00
.28579764+00	.17848033+01	.23960372+00	.20195584+01	.59343091+00
.28885197+00	.17850323+01	.23698885+00	.20423163+01	.60690074+00
.29190629+00	.17852842+01	.23441080+00	.20659418+01	.62079488+00
.29496062+00	.17855584+01	.23186672+00	.20904879+01	.63513673+00
.29801494+00	.17858545+01	.22935387+00	.21160130+01	.64996000+00
.30106927+00	.17861721+01	.22686957+00	.21425808+01	.66528893+00
.30368726+00	.17864611+01	.22476091+00	.21662359+01	.67885709+00
.30630525+00	.17867654+01	.22266968+00	.21907564+01	.69284520+00
.30892324+00	.17870851+01	.22059426+00	.22161947+01	.70727787+00
.31154124+00	.17874201+01	.21853306+00	.22426080+01	.72218193+00
.31415923+00	.17877703+01	.21648445+00	.22700582+01	.73758653+00
.31677722+00	.17881359+01	.21444682+00	.22986145+01	.75352377+00
.31895888+00	.17884524+01	.21275599+00	.23233096+01	.76723664+00
.32114054+00	.17887796+01	.21107068+00	.23486722+01	.78136569+00
.32332220+00	.17891179+01	.20938988+00	.23753537+01	.79593475+00
.32550386+00	.17894672+01	.20771259+00	.24028094+01	.81096961+00
.32768552+00	.17898278+01	.20603776+00	.24313014+01	.82649675+00
.32986718+00	.17901999+01	.20436431+00	.24608963+01	.84255299+00
.33161251+00	.17905060+01	.20302578+00	.24854152+01	.85579694+00
.33335784+00	.17908198+01	.20168681+00	.25107280+01	.86941737+00
.33510315+00	.17911418+01	.20034681+00	.25368781+01	.88343424+00
.33684845+00	.17914722+01	.19900512+00	.25639136+01	.89786950+00
.33859375+00	.17918108+01	.19766104+00	.25918870+01	.91274714+00
.34033905+00	.17921578+01	.19631388+00	.26208549+01	.92809294+00
.34164802+00	.17924238+01	.19530100+00	.26432704+01	.93992632+00
.34295700+00	.17926949+01	.19428560+00	.26663080+01	.95205158+00
.34426597+00	.17929710+01	.19326733+00	.26899976+01	.96448232+00
.34557495+00	.17932525+01	.19224583+00	.27143713+01	.97723303+00
.34688392+00	.17935393+01	.19122069+00	.27394642+01	.99031960+00
.34819289+00	.17938318+01	.19019150+00	.27653137+01	.10037590+01
.34906554+00	.17940300+01	.18950293+00	.27829868+01	.10129234+01
.34993819+00	.17942308+01	.18881223+00	.28010263+01	.10222582+01
.35081084+00	.17944342+01	.18811927+00	.28194461+01	.10317697+01

TABLE 114. (Concluded)

$$M = .49999939 + j1$$

$$\Theta = .26179938+00$$

θ	M_1^*	ψ_1	\underline{x}	\underline{r}
.35168349+00	.17946404+01	.18742392+00	.28382599+01	.10414639+01
.35255614+00	.17948495+01	.18672600+00	.28574827+01	.10513477+00
.35342879+00	.17950613+01	.18602536+00	.28771304+01	.10614282+01
.35386511+00	.17951684+01	.18567397+00	.28871188+01	.10665445+01
.35430144+00	.17952761+01	.18532184+00	.28972197+01	.10717128+01
.35473776+00	.17953846+01	.18496894+00	.29074352+01	.10769340+01
.35517409+00	.17954940+01	.18461527+00	.29177679+01	.10822093+01
.35561041+00	.17956040+01	.18426077+00	.29282199+01	.10875396+01
.35604674+00	.17957149+01	.18390545+00	.29387937+01	.10929261+01
.35648306+00	.17958266+01	.18354928+00	.29494919+01	.10983699+00
.35691939+00	.17959390+01	.18319221+00	.29603171+01	.11038722+01
.35735571+00	.17960523+01	.18283424+00	.29712718+01	.11094340+01
.35779203+00	.17961664+01	.18247637+00	.29823590+01	.11150568+01
.35822836+00	.17962814+01	.18211550+00	.29935613+01	.11207416+01
.35866468+00	.17963972+01	.18175463+00	.30049417+01	.11264899+01
.35910101+00	.17965139+01	.18139279+00	.30164435+01	.11323030+01
.35953733+00	.17966314+01	.18102989+00	.30280896+01	.11381823+01
.35997366+00	.17967498+01	.18066591+00	.30398833+01	.11441293+01
.36040998+00	.17968692+01	.18030082+00	.30518277+01	.11501453+01
.36084631+00	.17969895+01	.17993461+00	.30639265+01	.11562320+01
.36128263+00	.17971107+01	.17956720+00	.30761831+01	.11623909+01
.36171896+00	.17972329+01	.17919864+00	.30886015+01	.11686237+01
.36207910+00	.17973345+01	.17889347+00	.30989763+01	.11738252+01

$$\bullet 16270484 + 00 = \Delta S/R$$

$$.42720355 + 0.1 = P_s/P_\infty$$

$$.22392768 + 0i = \rho_s / \rho_\infty$$

$$\cdot 19077747 \cdot 01 = T_s/T_\infty$$

TABLE 115. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 6.0$

u_s	M_∞	θ_s	θ_w	
.91009401+00	.59999967+01	.26179938+00	.34487812+00	
θ	M_1^*	ψ_1	x	r
.26179938+00	.18201539+01	.26179938+00	.18660264+01	.50000000+00
.26441737+00	.18201662+01	.25920634+00	.18829010+01	.50980883+00
.26703537+00	.18202023+01	.25666120+00	.19003051+01	.51966460+00
.26965336+00	.18202612+01	.25416063+00	.19182628+01	.53017902+00
.27227135+00	.18203420+01	.25170173+00	.19368020+01	.54076480+00
.27488934+00	.18204438+01	.24926170+00	.19559519+01	.55163647+00
.27750733+00	.18205658+01	.24689780+00	.19757445+01	.56280558+00
.28012533+00	.18207075+01	.24454777+00	.19962140+01	.57429084+00
.28274332+00	.18208682+01	.24222844+00	.20173973+01	.58610605+00
.28492498+00	.18210464+01	.24003188+00	.20356244+01	.59822247+00
.28710664+00	.18211772+01	.23842755+00	.20544002+01	.60659140+00
.28928830+00	.18213504+01	.23655363+00	.20737513+01	.61722693+00
.29146996+00	.18215358+01	.23469646+00	.20937068+01	.62814201+00
.29365162+00	.18217334+01	.23285422+00	.21142969+01	.63935055+00
.29583328+00	.18219429+01	.23102592+00	.21355555+01	.65086748+00
.29801494+00	.18221642+01	.22921037+00	.21575182+01	.66270885+00
.30019660+00	.18223974+01	.22750641+00	.21802239+01	.67489197+00
.30194193+00	.18225923+01	.22597080+00	.21989513+01	.68489699+00
.30368726+00	.18227949+01	.22454125+00	.22182041+01	.69514295+00
.30543259+00	.18230049+01	.22311717+00	.22380068+01	.70564073+00
.30717722+00	.18232226+01	.22169794+00	.22583857+01	.71640205+00
.30892324+00	.18234475+01	.22028294+00	.22793690+01	.72743935+00
.31066857+00	.18236806+01	.21887156+00	.23009873+01	.73876610+00
.31241390+00	.18239212+01	.21746314+00	.23232728+01	.75039657+00
.31415923+00	.18241696+01	.21605704+00	.23462606+01	.76234619+00
.31590456+00	.18244361+01	.21500359+00	.23639852+01	.77152783+00
.31677722+00	.18245570+01	.21395078+00	.23821430+01	.78090581+00
.31808622+00	.18247525+01	.21289830+00	.24007523+01	.79048801+00
.31939521+00	.18249625+01	.21184587+00	.24196321+01	.80028284+00
.32070421+00	.18251723+01	.21079316+00	.24394029+01	.81029524+00
.32201320+00	.18253869+01	.20973986+00	.24594664+01	.82054662+00
.32332217+00	.18256067+01	.20868567+00	.24801056+01	.83103501+00
.32463115+00	.18258315+01	.20763019+00	.25012854+01	.84177526+00
.32550380+00	.18259841+01	.20692565+00	.25157298+01	.84908105+00
.32637645+00	.18261389+01	.20622027+00	.25304432+01	.85650741+00
.32724909+00	.18262961+01	.20551394+00	.25454347+01	.86405824+00
.32812174+00	.18264556+01	.20480654+00	.25607131+01	.87173738+00
.32899439+00	.18266174+01	.20409795+00	.25762880+01	.87954902+00
.32936704+00	.18267816+01	.20338805+00	.25921695+01	.88749743+00
.33073769+00	.18269483+01	.20267670+00	.26083681+01	.89558724+00

TABLE 115. (Concluded)

$$M_{\odot} = .59999967+01$$

$$\Theta_s = .26179938+00$$

Θ	M_1^*	ψ_1	x	r
.33161234+00	.18271174+01	.20196376+00	.26248947+01	.90382310+00
.33204867+00	.18272029+01	.20160668+00	.26332846+01	.90799733+00
.33248499+00	.18272891+01	.20124914+00	.26417609+01	.91221001+00
.33292131+00	.18273759+01	.20089114+00	.26503252+01	.91646177+00
.33335764+00	.18274633+01	.20053265+00	.26589791+01	.92075331+00
.33379396+00	.18275516+01	.20017366+00	.26677241+01	.92508532+00
.33423029+00	.18276402+01	.19981416+00	.26765620+01	.92945852+00
.33466661+00	.18277296+01	.19945411+00	.26854945+01	.93387362+00
.33510294+00	.18278198+01	.19909351+00	.26945232+01	.93833141+00
.33553926+00	.18279106+01	.19873232+00	.27036503+01	.94283272+00
.33597559+00	.18280021+01	.19837053+00	.27128775+01	.94737832+00
.33641191+00	.18280943+01	.19800813+00	.27222065+01	.95196699+00
.33684824+00	.18281872+01	.19764510+00	.27316394+01	.95660554+00
.33728456+00	.18282808+01	.19728140+00	.27411783+01	.96128894+00
.33772089+00	.18283751+01	.19691701+00	.27508252+01	.96602004+00
.33815721+00	.18284702+01	.19655192+00	.27605824+01	.97079978+00
.33859354+00	.18285660+01	.19618609+00	.27704522+01	.97562916+00
.33902986+00	.18286626+01	.19581950+00	.27804365+01	.98050903+00
.33946618+00	.18287599+01	.19545213+00	.27905380+01	.98544048+00
.33990251+00	.18288581+01	.19508395+00	.28007590+01	.99042453+00
.34033883+00	.18289569+01	.19471494+00	.28111019+01	.99546220+00
.34077516+00	.18290566+01	.19434507+00	.28215695+01	.10005547+01
.34121148+00	.18291571+01	.19397431+00	.28321643+01	.10057030+01
.34164781+00	.18292584+01	.19360264+00	.28428890+01	.10109085+01
.34208413+00	.18293605+01	.19323002+00	.28537467+01	.10161722+01
.34252046+00	.18294635+01	.19285643+00	.28647400+01	.10214954+01
.34295678+00	.18295673+01	.19248183+00	.28758722+01	.10268794+01
.34339311+00	.18296720+01	.19210620+00	.28871462+01	.10323256+01
.34382943+00	.18297775+01	.19172951+00	.28985653+01	.10378352+01
.34426576+00	.18298840+01	.19135172+00	.29101328+01	.10434097+01
.34470208+00	.18299913+01	.19097279+00	.29218524+01	.10490507+01
.34487812+00	.18300349+01	.19081958+00	.29266246+01	.10513458+01

$$.28508362+00 = \Delta S/R$$

$$.65948872+01 = P_s/P_{\infty}$$

$$.25082827+01 = \rho_s/\rho_{\infty}$$

$$.22325781+01 = T_s/T_{\infty}$$

TABLE 116. CONICAL FLOWFIELD $\theta_s = 15.0 \text{ DEG}$; $M_\infty = 8.0$

u_s	M_∞	θ_s	θ_w	
.92934030+00	.79999996+01	.26179938+00	.32691389+00	
θ	M_1^*	ψ_1	x	r
.26179938+00	.18586458+01	.26179938+00	.18660254+01	.50000000+00
.26354471+00	.18586514+01	.26006522+00	.18791237+01	.50702646+00
.26529004+00	.18586680+01	.25835259+00	.18925328+01	.51418976+00
.26703537+00	.18586952+01	.25666037+00	.19062642+01	.52149484+00
.26878069+00	.18587328+01	.25498744+00	.19203300+01	.52894699+00
.27052602+00	.18587805+01	.25333277+00	.19347434+01	.53655182+00
.27227135+00	.18588381+01	.25169534+00	.19495178+01	.54431513+00
.27401668+00	.18589052+01	.25007419+00	.19646676+01	.55224313+00
.27576201+00	.18589817+01	.24846837+00	.19802084+01	.56034246+00
.27750733+00	.18590674+01	.24687698+00	.19961563+01	.56862003+00
.27925266+00	.18591622+01	.24529913+00	.20125284+01	.57708318+00
.28099799+00	.18592659+01	.24373396+00	.20293433+01	.58573980+00
.28274332+00	.18593784+01	.24218063+00	.20466205+01	.59459617+00
.28448865+00	.18594995+01	.24063829+00	.20643811+01	.60366721+00
.28623398+00	.18596292+01	.23910615+00	.20826471+01	.61295632+00
.28797930+00	.18597675+01	.23758339+00	.21014422+01	.62247549+00
.28972880+00	.18598767+01	.23644699+00	.21159015+01	.62977241+00
.29057730+00	.18599906+01	.23531508+00	.21306841+01	.63720960+00
.29190629+00	.18601093+01	.23418732+00	.21456023+01	.64479218+00
.29321529+00	.18602327+01	.23306338+00	.21612689+01	.65252547+00
.29452429+00	.18603608+01	.23194291+00	.21770973+01	.66041517+00
.29583328+00	.18604936+01	.23082558+00	.21933014+01	.66846709+00
.29714228+00	.18606311+01	.22971105+00	.22098964+01	.67668756+00
.29845127+00	.18607734+01	.22859897+00	.22268984+01	.68508333+00
.29976027+00	.18609204+01	.22748898+00	.22443241+01	.69366132+00
.30106927+00	.18610723+01	.22638074+00	.22621917+01	.70242910+00
.30237826+00	.18612289+01	.22527387+00	.22805201+01	.71139459+00
.30368726+00	.18613905+01	.22416801+00	.22993295+01	.72056612+00
.30499626+00	.18615570+01	.22306278+00	.23186418+01	.72995274+00
.30630525+00	.18617284+01	.22195779+00	.23384798+01	.73956394+00
.30761425+00	.18619049+01	.22085263+00	.23588684+01	.74941001+00
.30892325+00	.18620254+01	.22011557+00	.23727797+01	.75610987+00
.30935956+00	.18621486+01	.21937815+00	.23869554+01	.76292223+00
.31023221+00	.18622740+01	.21864022+00	.24014044+01	.76985077+00
.31110486+00	.18624019+01	.21790165+00	.24161359+01	.77689923+00
.31197751+00	.18625320+01	.21716229+00	.24311595+01	.78407157+00
.31285016+00	.18626647+01	.21642202+00	.24464851+01	.79137187+00
.31372281+00	.18627997+01	.21568068+00	.24621235+01	.79880451+00
.31459546+00	.18629373+01	.21493813+00	.24780855+01	.80637397+00
.31546811+00	.18630774+01	.21419421+00	.24943830+01	.81408513+00

/// TABLE 117. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 10.0$

u_s	M_∞	θ_s	θ_w	
.95871360+00	.99999053+01	.26179938+00	.31824681+00	
θ	M_1^*	ψ_1	x	r
.26179938+00	.18773920+01	.26179938+00	.18660254+01	.50000000+00
.26310838+00	.18773952+01	.26049668+00	.18767306+01	.50550235+00
.26441737+00	.18774047+01	.25920621+00	.18876409+01	.51109220+00
.26572637+00	.18774203+01	.25792742+00	.18987625+01	.51677207+00
.26703537+00	.18774420+01	.25665977+00	.19101016+01	.52254470+00
.26834436+00	.18774696+01	.25540277+00	.19216655+01	.52841285+00
.26965336+00	.18775029+01	.25415592+00	.19334608+01	.53437952+00
.27096235+00	.18775418+01	.25291874+00	.19454951+01	.54044779+00
.27227135+00	.18775864+01	.25169076+00	.19577762+01	.54662089+00
.27358035+00	.18776364+01	.25047153+00	.19703121+01	.55290218+00
.27488934+00	.18776919+01	.24926060+00	.19831116+01	.55929527+00
.27619834+00	.18777526+01	.24805755+00	.19961835+01	.56580383+00
.27750733+00	.18778186+01	.24686194+00	.20095374+01	.57243174+00
.27881633+00	.18778899+01	.24567336+00	.20231832+01	.57918316+00
.28012533+00	.18779663+01	.24449139+00	.20371315+01	.58606239+00
.28143432+00	.18780477+01	.24331563+00	.20513930+01	.59307390+00
.28274332+00	.18781343+01	.24214568+00	.20659799+01	.60022259+00
.28405232+00	.18782259+01	.24098113+00	.20809038+01	.60751333+00
.28536131+00	.18783224+01	.23982159+00	.20961782+01	.61495153+00
.28667031+00	.18784240+01	.23866666+00	.21118166+01	.62254277+00
.28797930+00	.18785305+01	.23751594+00	.21278335+01	.63029292+00
.28885197+00	.1878643+01	.23675095+00	.21387293+01	.63555110+00
.28972463+00	.18786803+01	.23598753+00	.21498049+01	.64088463+00
.29059730+00	.18787585+01	.23522557+00	.21610655+01	.64629557+00
.29146996+00	.18788389+01	.23446496+00	.21725161+01	.65178600+00
.29234263+00	.18789214+01	.23370557+00	.21841619+01	.65735805+00
.29321529+00	.18790063+01	.23294728+00	.21960089+01	.66301410+00
.29408795+00	.18790933+01	.23218997+00	.22080628+01	.66875650+00
.29496062+00	.18791826+01	.23143351+00	.22203297+01	.67458767+00
.29583328+00	.18792741+01	.23067779+00	.22328161+01	.68051027+00
.29670595+00	.18793679+01	.22992267+00	.22455286+01	.68652691+00
.29757861+00	.18794639+01	.22916804+00	.22584741+01	.69264045+00
.29845127+00	.18795622+01	.22841374+00	.22716601+01	.69885384+00
.29932394+00	.18796629+01	.22765966+00	.22850941+01	.70517008+00
.30019660+00	.18797658+01	.22690566+00	.22987840+01	.71159245+00
.30106927+00	.18798710+01	.22615160+00	.23127382+01	.71812423+00
.30194193+00	.18799786+01	.22539734+00	.23269657+01	.72476902+00
.30281459+00	.18800888+01	.22464275+00	.23414754+01	.73153042+00
.30368724+00	.18802015+01	.22388768+00	.23562773+01	.73841240+00
.30455989+00	.18803166+01	.22313197+00	.23713814+01	.74541697+00

TABLE 117. (Concluded)

$$M_{\infty} = .99999053+01$$

$$\theta_s = .26179938+00$$

θ	M_1^*	ψ_1	x	r
.30543254+00	.18804343+01	.22237546+00	.23867985+01	.75255445+00
.30586886+00	.18804940+01	.22199685+00	.23946279+01	.75617190+00
.30630518+00	.18805544+01	.22161799+00	.24025399+01	.75982333+00
.30674151+00	.18806154+01	.22123884+00	.24105359+01	.76350928+00
.30717783+00	.18806771+01	.22085940+00	.24186175+01	.76723035+00
.30761416+00	.18807393+01	.22047963+00	.24267662+01	.77098721+00
.30805048+00	.18808023+01	.22009951+00	.24350438+01	.77476049+00
.30848681+00	.18808658+01	.21971903+00	.24433918+01	.77861086+00
.30892313+00	.18809301+01	.21933815+00	.24518321+01	.78247903+00
.30935946+00	.18809950+01	.21895686+00	.24603663+01	.78638566+00
.30979578+00	.18810606+01	.21857513+00	.24689963+01	.79033151+00
.31023211+00	.18811268+01	.21819295+00	.24777241+01	.79431731+00
.31066843+00	.18811937+01	.21781026+00	.24865515+01	.79834384+00
.31110476+00	.18812614+01	.21742710+00	.24954805+01	.80241190+00
.31154108+00	.18813297+01	.21704338+00	.25045130+01	.80652220+00
.31197741+00	.18813987+01	.21665910+00	.25136514+01	.81067569+00
.31241373+00	.18814684+01	.21627423+00	.25228978+01	.81487318+00
.31285005+00	.18815388+01	.21588875+00	.25322543+01	.81911558+00
.31328638+00	.18816100+01	.21550263+00	.25417233+01	.82340377+00
.31372270+00	.18816819+01	.21511584+00	.25513071+01	.82773868+00
.31415903+00	.18817545+01	.21472834+00	.25610082+01	.83212133+00
.31459535+00	.18818278+01	.21434012+00	.25708292+01	.83655266+00
.31503168+00	.18819020+01	.21395114+00	.25807726+01	.84103373+00
.31546800+00	.18819769+01	.21356137+00	.25908412+01	.84556563+00
.31590433+00	.18820526+01	.21317078+00	.26010377+01	.85014937+00
.31634065+00	.18821290+01	.21277933+00	.26113651+01	.85478622+00
.31677698+00	.18822062+01	.21238700+00	.26218262+01	.85947719+00
.31721330+00	.18822843+01	.21199373+00	.26324244+01	.86422364+00
.31764963+00	.18823631+01	.21159952+00	.26431627+01	.86902679+00
.31808595+00	.18824428+01	.21120431+00	.26540443+01	.87388785+00
.31852228+00	.18825234+01	.21080834+00	.26650729+01	.87880990+00

$$.92834389+00 = \Delta S/R$$

$$.13283011+02 = P_s/P_{\infty}$$

$$.32560402+01 = \rho_s/\rho_{\infty}$$

$$.40794985+01 = T_s/T_{\infty}$$

TABLE 118. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 12.5$

$\frac{u}{s}$	$\frac{M}{\infty}$	$\frac{\Theta}{s}$	$\frac{\Theta}{w}$
.94488274+00	.12500000+02	.26179938+00	.31256321+00

$\frac{e}{s}$	$\frac{M^*}{1}$	$\frac{\psi}{1}$	$\frac{x}{s}$	$\frac{r}{s}$
.26179938+00	.18897301+01	.26179938+00	.18660254+01	.50000000+00
.26267204+00	.18897315+01	.26092953+00	.18736143+01	.50378624+00
.26354471+00	.18897358+01	.26006518+00	.18813054+01	.50761513+00
.26441737+00	.18897428+01	.25920615+00	.18891006+01	.51148742+00
.26529004+00	.18897526+01	.25835226+00	.18970023+01	.51540409+00
.26616270+00	.18897652+01	.25750336+00	.19050128+01	.51936608+00
.26703537+00	.18897804+01	.25665927+00	.19131343+01	.52337430+00
.26790803+00	.18897982+01	.25581983+00	.19213695+01	.52742981+00
.26878069+00	.18898186+01	.25498486+00	.19297208+01	.53153363+00
.26965336+00	.18898416+01	.25415426+00	.19381909+01	.53568683+00
.27052602+00	.18898672+01	.25332782+00	.19467824+01	.53989052+00
.27139869+00	.18898952+01	.25250541+00	.19554983+01	.54414582+00
.27227135+00	.18899258+01	.25168688+00	.19643414+01	.54845393+00
.27314401+00	.18899588+01	.25087209+00	.19733146+01	.55281604+00
.27401668+00	.18899943+01	.25006089+00	.19824212+01	.55723342+00
.27488934+00	.18900322+01	.24925314+00	.19916643+01	.56170739+00
.27576201+00	.18900725+01	.24844869+00	.20010473+01	.56623927+00
.27663467+00	.18901151+01	.24764742+00	.20105737+01	.57083048+00
.27750733+00	.18901601+01	.24684918+00	.20202470+01	.57548245+00
.27838000+00	.18902075+01	.24605384+00	.20300710+01	.58019669+00
.27925266+00	.18902572+01	.24526127+00	.20400496+01	.58497474+00
.28012533+00	.18903092+01	.24447132+00	.20501867+01	.58981826+00
.28099799+00	.18903636+01	.24368386+00	.20604865+01	.59472682+00
.28187066+00	.18904202+01	.24289877+00	.20709534+01	.59970823+00
.28274332+00	.18904792+01	.24211591+00	.20815919+01	.60475830+00
.28361598+00	.18905404+01	.24133515+00	.20924067+01	.60988087+00
.28448865+00	.18906039+01	.24055636+00	.21034025+01	.61507788+00
.28536131+00	.18906697+01	.23977940+00	.21145846+01	.62033139+00
.28623398+00	.18907378+01	.23900414+00	.21259583+01	.62570349+00
.28710664+00	.18908082+01	.23823046+00	.21375288+01	.63113633+00
.28797930+00	.18908808+01	.23745820+00	.21493021+01	.63665222+00
.28885197+00	.18909558+01	.23668725+00	.21612841+01	.64225357+00
.28972463+00	.18910330+01	.23591746+00	.21734812+01	.64794283+00
.29059730+00	.18911125+01	.23514871+00	.21858999+01	.65372263+00
.29146996+00	.18911943+01	.23438084+00	.21985468+01	.65959559+00
.29234263+00	.18912784+01	.23361373+00	.22114292+01	.66556457+00
.29321529+00	.18913649+01	.23284722+00	.22245547+01	.67163280+00
.29408795+00	.18914537+01	.23208118+00	.22379309+01	.67780265+00
.29496062+00	.18915448+01	.23131546+00	.22515663+01	.68407607+00
.29583328+00	.18916383+01	.23054997+00	.22654693+01	.69046218+00

TABLE 118. (Concluded)

$$M_{\infty} = .12500000+02$$

$$\Theta_s = .26179938+00$$

Θ	M_1^*	ψ_1	x	r
.29670595+00	.18917342+01	.22978438+00	.22796488+01	.67695851+00
.29757861+00	.18918325+01	.22901871+00	.22941146+01	.70357086+00
.29845127+00	.18919354+01	.22825277+00	.23088762+01	.71030296+00
.29932392+00	.18920369+01	.22748637+00	.23235444+01	.71715909+00
.30019657+00	.18921429+01	.22671935+00	.23393303+01	.72414351+00
.30106721+00	.18922514+01	.22595154+00	.23550455+01	.73126085+00
.30194186+00	.18923625+01	.22518275+00	.23711023+01	.73851588+00
.30281451+00	.18924761+01	.22441281+00	.23875137+01	.74591366+00
.30368716+00	.18925924+01	.22364153+00	.24042933+01	.75345949+00
.30455989+00	.18927115+01	.22286872+00	.24214558+01	.76115913+00
.30543246+00	.18928329+01	.22209416+00	.24390164+01	.76901850+00
.30630511+00	.18929573+01	.22131766+00	.24569912+01	.77704382+00
.30717776+00	.18930844+01	.22053900+00	.24753978+01	.78524190+00
.30805041+00	.18932144+01	.21975799+00	.24942544+01	.79361988+00
.30892306+00	.18933474+01	.21897425+00	.25135807+01	.80218530+00
.30979578+00	.18934833+01	.21818768+00	.25333972+01	.81094617+00
.31066836+00	.18936223+01	.21739797+00	.25537263+01	.81991111+00
.31154088+00	.18937645+01	.21660485+00	.25745921+01	.82908937+00
.31241366+00	.18939098+01	.21580803+00	.25960195+01	.83849065+00
.31328621+00	.18939350+01	.21567107+00	.25997501+01	.84012499+00

$$.13497845+01 = \Delta S/R$$

$$.20024124+02 = P_s/P_{\infty}$$

$$.35187882+01 = \rho_s/\rho_{\infty}$$

$$.56906308+01 = T_s/T_{\infty}$$

TABLE 119. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 15.0$

u_s	M_∞	θ_s	θ_w	
.94829237+00	.15000006+02	.26179938+00	.30942741+00	
θ	M_1^*	ψ_1	x	r
.26179938+00	.18965492+01	.26179938+00	.18660254+01	.50000000+00
.26267204+00	.18965506+01	.26092953+00	.18739108+01	.50386596+00
.26354471+00	.18965549+01	.26006516+00	.18819061+01	.50777721+00
.26441737+00	.18965620+01	.25920611+00	.18900136+01	.51173463+00
.26529004+00	.18965718+01	.25835217+00	.18982359+01	.51573926+00
.26616270+00	.18965844+01	.25750317+00	.19065754+01	.51979209+00
.26703537+00	.18965997+01	.25665894+00	.19150350+01	.52389426+00
.26790803+00	.18966176+01	.25581931+00	.19236173+01	.52804686+00
.26878069+00	.18966381+01	.25498411+00	.19323253+01	.53225103+00
.26965336+00	.18966612+01	.25415317+00	.19411618+01	.53650796+00
.27052602+00	.18966868+01	.25332633+00	.19501301+01	.54081891+00
.27139869+00	.18967150+01	.25250344+00	.19592331+01	.54518509+00
.27227135+00	.18967457+01	.25168434+00	.19684743+01	.54960786+00
.27314401+00	.18967789+01	.25086887+00	.19778570+01	.55408857+00
.27401666+00	.18968145+01	.25005689+00	.19873848+01	.55862863+00
.27488934+00	.18968526+01	.24924823+00	.19970614+01	.56322952+00
.27576201+00	.18968931+01	.24844276+00	.20068905+01	.56789275+00
.27663467+00	.18969360+01	.24764033+00	.20168762+01	.57261984+00
.27750733+00	.18969812+01	.24684079+00	.20270224+01	.57741248+00
.27838000+00	.18970289+01	.24604400+00	.20373336+01	.58227235+00
.27925266+00	.18970789+01	.24524982+00	.20478142+01	.58720121+00
.28012533+00	.18971312+01	.24445810+00	.20584687+01	.59220090+00
.28099799+00	.18971859+01	.24366869+00	.20693019+01	.59727325+00
.28187066+00	.18972430+01	.24288147+00	.20803189+01	.60242030+00
.28274332+00	.18973023+01	.24209628+00	.20915248+01	.60764407+00
.28361598+00	.18973640+01	.24131299+00	.21029252+01	.61294675+00
.28448865+00	.18974280+01	.24053145+00	.21145257+01	.61833052+00
.28536131+00	.18974944+01	.23975152+00	.21263321+01	.62379771+00
.28623398+00	.18975630+01	.23897306+00	.21383506+01	.62935077+00
.28710664+00	.18976340+01	.23819592+00	.21505877+01	.63499215+00
.28797930+00	.18977073+01	.23741996+00	.21630501+01	.64072457+00
.28885197+00	.18977830+01	.23664503+00	.21757450+01	.64655080+00
.28972463+00	.18978610+01	.23587098+00	.21886794+01	.65247360+00
.29059730+00	.18979413+01	.23509767+00	.22018612+01	.65849607+00
.29146996+00	.18980240+01	.23432494+00	.22152986+01	.66462135+00
.29234263+00	.18981091+01	.23355263+00	.22289999+01	.67085274+00
.29321529+00	.18981965+01	.23278060+00	.22429742+01	.67719375+00
.29408795+00	.18982864+01	.23200867+00	.22572306+01	.68364795+00
.29496062+00	.18983788+01	.23123669+00	.22717792+01	.69021922+00
.29583328+00	.18984735+01	.23046450+00	.22866300+01	.69691149+00

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TABLE 119. (Concluded)

$$M_{\infty} = .15000006+02$$

$$\Theta_s = .26179938+00$$

Θ	M^*_1	ψ_1	x	r
.29670593+00	.18985711+01	.22969192+00	.23017940+01	.70372893+00
.29757858+00	.18986712+01	.22891879+00	.23172826+01	.71067607+00
.29845123+00	.18987739+01	.22814491+00	.23331083+01	.71775763+00
.29932388+00	.18988791+01	.22737009+00	.23492835+01	.72497849+00
.30019653+00	.18989868+01	.22659415+00	.23658217+01	.73234387+00
.30106918+00	.18990973+01	.22581689+00	.23827375+01	.73985933+00
.30194183+00	.18992104+01	.22503810+00	.24000455+01	.74753057+00
.30281448+00	.18993262+01	.22425758+00	.24177622+01	.75536386+00
.30368713+00	.18994448+01	.22347509+00	.24359043+01	.76336568+00
.30455977+00	.18995663+01	.22269042+00	.24544900+01	.77154300+00
.30499610+00	.18996281+01	.22229719+00	.24639550+01	.77569969+00
.30543242+00	.18996906+01	.22190332+00	.24735384+01	.77990313+00
.30586875+00	.18997538+01	.22150878+00	.24832425+01	.78415420+00
.30630507+00	.18998178+01	.22111354+00	.24930702+01	.78845399+00
.30674140+00	.18998826+01	.22071757+00	.25030242+01	.79280355+00
.30717772+00	.18999481+01	.22032083+00	.25131073+01	.79720396+00
.30761405+00	.19000144+01	.21992328+00	.25233225+01	.80165634+00
.30805037+00	.19000814+01	.21952490+00	.25336728+01	.80616187+00
.30848670+00	.19001492+01	.21912564+00	.25441616+01	.81072183+00
.30892302+00	.19002179+01	.21872547+00	.25547919+01	.81533736+00
.30935935+00	.19002873+01	.21832434+00	.25655673+01	.82000985+00
.30942741+00	.19002962+01	.21826168+00	.25672615+01	.82074396+00

$$.17473664+01 = \Delta S/R$$

$$.28260013+02 = P_s/P_{\infty}$$

$$.36908658+01 = \rho_s/\rho_{\infty}$$

$$.76567436+01 = T_s/T_{\infty}$$

TABLE 120. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 17.5$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.95036883+00	.17499992+02	.26179938+00	.30751919+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.26179938+00	.19007020+01	.26179938+00	.18660254+01	.50000000+00
.26267204+00	.19007035+01	.26092952+00	.18741056+01	.50391833+00
.26354471+00	.19007078+01	.26006516+00	.18823010+01	.50788376+00
.26441737+00	.19007149+01	.25920608+00	.18906140+01	.51189718+00
.26529004+00	.19007247+01	.25835210+00	.18990474+01	.51595973+00
.26616270+00	.19007373+01	.25750304+00	.19076039+01	.52007250+00
.26703537+00	.19007526+01	.25665872+00	.19162865+01	.52423663+00
.26790803+00	.19007706+01	.25581896+00	.19250980+01	.52845333+00
.26878069+00	.19007911+01	.25498359+00	.19340417+01	.53272380+00
.26965336+00	.19008143+01	.25415243+00	.19431207+01	.53704935+00
.27052602+00	.19008400+01	.25332533+00	.19523383+01	.54143129+00
.27139869+00	.19008683+01	.25250211+00	.19616978+01	.54587094+00
.27227135+00	.19008991+01	.25168262+00	.19712030+01	.55036975+00
.27314401+00	.19009323+01	.25086669+00	.19808576+01	.55492917+00
.27401668+00	.19009680+01	.25005417+00	.19906653+01	.55955074+00
.27488934+00	.19010062+01	.24924491+00	.20006302+01	.56423603+00
.27576201+00	.19010468+01	.24843874+00	.20107563+01	.56898664+00
.27663467+00	.19010898+01	.24763552+00	.20210480+01	.57380428+00
.27750733+00	.19011353+01	.24683510+00	.20315098+01	.57869074+00
.27838000+00	.19011831+01	.24603733+00	.20421464+01	.58364784+00
.27925266+00	.19012333+01	.24524205+00	.20529625+01	.58867747+00
.28012533+00	.19012859+01	.24444491+00	.20639634+01	.59378166+00
.28099799+00	.19013408+01	.24365839+00	.20751541+01	.59896240+00
.28187066+00	.19013981+01	.24286972+00	.20865402+01	.60422187+00
.28274332+00	.19014577+01	.24208294+00	.20981274+01	.60956231+00
.28361598+00	.19015197+01	.24129792+00	.21099217+01	.61498605+00
.28448865+00	.19015840+01	.24051451+00	.21219293+01	.62049551+00
.28536131+00	.19016507+01	.23973255+00	.21341569+01	.62609325+00
.28623398+00	.19017197+01	.23895190+00	.21466110+01	.63178191+00
.28710664+00	.19017911+01	.23817240+00	.21592987+01	.63756421+00
.28797930+00	.19018649+01	.23739390+00	.21722278+01	.64344312+00
.28885197+00	.19019410+01	.23661625+00	.21854060+01	.64942169+00
.28972463+00	.19020195+01	.23583926+00	.21988412+01	.65550298+00
.29059730+00	.19021004+01	.23506284+00	.22125424+01	.66169041+00
.29146996+00	.19021837+01	.23428676+00	.22265183+01	.66798745+00
.29234263+00	.19022694+01	.23351089+00	.22407784+01	.67439769+00
.29321529+00	.19023576+01	.23273504+00	.22553328+01	.68092503+00
.29365162+00	.19024026+01	.23234708+00	.22627237+01	.68423392+00
.29408795+00	.19024482+01	.23195906+00	.22701920+01	.68757357+00
.29452429+00	.19024945+01	.23157096+00	.22777393+01	.69094460+00

TABLE 120. (Concluded)

$$M_{\infty} = .17499992+02$$

$$\Theta_s = .26179938+00$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.29496061+00	.19025416+01	.23118277+00	.22853668+01	.69434743+00
.29539694+00	.19025892+01	.23079444+00	.22930762+01	.69778275+00
.29583326+00	.19026375+01	.23040598+00	.23008690+01	.70125112+00
.29626958+00	.19026864+01	.23001734+00	.23087466+01	.70475313+00
.29670591+00	.19027360+01	.22962852+00	.23167107+01	.70828936+00
.29714223+00	.19027863+01	.22923947+00	.23247631+01	.71186054+00
.29757656+00	.19028371+01	.22885019+00	.23329052+01	.71546723+00
.29801488+00	.19028887+01	.22846064+00	.23411389+01	.71911009+00
.29845121+00	.19029408+01	.22807079+00	.23494662+01	.72278992+00
.29888753+00	.19029937+01	.22768063+00	.23578886+01	.72650732+00
.29932386+00	.19030471+01	.22729012+00	.23664082+01	.73026305+00
.29976018+00	.19031013+01	.22689925+00	.23750266+01	.73406778+00
.30019651+00	.19031562+01	.22650797+00	.23837462+01	.73789238+00
.30063283+00	.19032117+01	.22611627+00	.23925690+01	.74176761+00
.30106916+00	.19032679+01	.22572412+00	.24014970+01	.74568427+00
.30150548+00	.19033248+01	.22533199+00	.24105325+01	.74964321+00
.30194180+00	.19033825+01	.22493834+00	.24196778+01	.75364529+00
.30237813+00	.19034407+01	.22454466+00	.24289351+01	.75769137+00
.30281445+00	.19034998+01	.22415041+00	.24383069+01	.76178245+00
.30325078+00	.19035596+01	.22375556+00	.24477957+01	.76591940+00
.30368710+00	.19036200+01	.22336007+00	.24574040+01	.77010322+00
.30412343+00	.19036812+01	.22296391+00	.24671345+01	.77433493+00
.30455975+00	.19037432+01	.22256706+00	.24769899+01	.77861554+00
.30499608+00	.19038059+01	.22216947+00	.24869733+01	.78294623+00
.30543240+00	.19038693+01	.22177112+00	.24970870+01	.78732791+00
.30586873+00	.19039336+01	.22137197+00	.25073347+01	.79176192+00
.30630505+00	.19039986+01	.22097197+00	.25177191+01	.79624934+00
.30674138+00	.19040644+01	.22057110+00	.25282436+01	.80079144+00
.30717770+00	.19041310+01	.22016931+00	.25389118+01	.80538955+00
.30761919+00	.19041837+01	.21985419+00	.25497363+01	.80992813+00

$$.21136262+01 = \Delta S/R$$

$$.37991870+02 = P_s/P_{\infty}$$

$$.38072373+01 = \rho_s/\rho_{\infty}$$

$$.99788556+01 = T_s/T_{\infty}$$

TABLE 121. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 20.0$

u_s	M_∞	θ_s	θ_w	
.95172510+00	.20000019+02	.26179936+00	.30627341+00	
θ	M_1^*	ψ_1	x	r
.26179938+00	.19034145+01	.26179936+00	.18660254+01	.50000000+00
.26267204+00	.19034160+01	.26092952+00	.18742394+01	.50395431+00
.26354471+00	.19034203+01	.26006515+00	.18825723+01	.50795696+00
.26441737+00	.19034274+01	.25920606+00	.18910265+01	.51200688+00
.26529004+00	.19034373+01	.25835205+00	.18996052+01	.51611127+00
.26616270+00	.19034499+01	.25750295+00	.19083110+01	.52026527+00
.26703537+00	.19034652+01	.25665857+00	.19171470+01	.52447205+00
.26790803+00	.19034832+01	.25581871+00	.19261165+01	.52873290+00
.26878069+00	.19035038+01	.25498322+00	.19352226+01	.53304907+00
.26965336+00	.19035270+01	.25415191+00	.19444687+01	.53742193+00
.27052602+00	.19035528+01	.25332462+00	.19538583+01	.54185284+00
.27139869+00	.19035811+01	.25250117+00	.19633950+01	.54634321+00
.27227135+00	.19036119+01	.25168141+00	.19730827+01	.55089457+00
.27314401+00	.19036452+01	.25086516+00	.19829252+01	.55550640+00
.27401668+00	.19036810+01	.25005227+00	.19929265+01	.56018633+00
.27488934+00	.19037193+01	.24924258+00	.20030909+01	.56493003+00
.27576201+00	.19037600+01	.24843593+00	.20134228+01	.56974119+00
.27663467+00	.19038031+01	.24763216+00	.20239268+01	.57462161+00
.27750733+00	.19038486+01	.24683112+00	.20346075+01	.57957314+00
.27838000+00	.19038966+01	.24603265+00	.20454700+01	.58459775+00
.27925266+00	.19039469+01	.24523661+00	.20565194+01	.58969739+00
.28012533+00	.19039996+01	.24444283+00	.20677611+01	.59487423+00
.28099799+00	.19040547+01	.24365117+00	.20792005+01	.60013035+00
.28187066+00	.19041121+01	.24286147+00	.20908437+01	.60546808+00
.28274332+00	.19041719+01	.24207358+00	.21026966+01	.61088979+00
.28361598+00	.19042341+01	.24128734+00	.21147656+01	.61639792+00
.28448865+00	.19042987+01	.24050261+00	.21270575+01	.62199509+00
.28536132+00	.19043656+01	.23971922+00	.21395791+01	.62768398+00
.28623398+00	.19044349+01	.23893703+00	.21523379+01	.63346744+00
.28710664+00	.19045065+01	.23815686+00	.21653411+01	.63934832+00
.28797930+00	.19045806+01	.23737556+00	.21785971+01	.64532980+00
.28885197+00	.19046570+01	.23659600+00	.21921143+01	.65141514+00
.28972463+00	.19047359+01	.23581696+00	.22059011+01	.65760762+00
.29059730+00	.19048171+01	.23503831+00	.22199672+01	.66391090+00
.29146996+00	.19049008+01	.23425987+00	.22343220+01	.67032667+00
.29234263+00	.19049870+01	.23348147+00	.22489758+01	.67686483+00
.29321529+00	.19050757+01	.23270293+00	.22639395+01	.68352355+00
.29365162+00	.19051209+01	.23231355+00	.22715409+01	.68690020+00
.29408795+00	.19051670+01	.23192407+00	.22792240+01	.69030908+00
.29452427+00	.19052137+01	.23153447+00	.22869903+01	.69375080+00

TABLE 121. (Concluded)

$$M_{\infty} = .20000019+02$$

$$\Theta_s = .24174938+00$$

Θ	M_1^*	ψ_1	x	r
.29496040+00	.19052610+01	.23114471+00	.22948414+01	.69722600+00
.29539622+00	.19053090+01	.23075479+00	.23027791+01	.70073531+00
.29583324+00	.19053576+01	.23036466+00	.23106049+01	.70427932+00
.29626957+00	.19054068+01	.22997431+00	.23189203+01	.70785864+00
.29670589+00	.19054568+01	.22958373+00	.23271272+01	.71147398+00
.29714222+00	.19055073+01	.22919286+00	.23354275+01	.71512602+00
.29757854+00	.19055585+01	.22880170+00	.23438228+01	.71881545+00
.29801487+00	.19056104+01	.22841021+00	.23523151+01	.72254295+00
.29845119+00	.19056630+01	.22801837+00	.23609065+01	.72630937+00
.29888752+00	.19057162+01	.22762615+00	.23695987+01	.73011538+00
.29932384+00	.19057701+01	.22723353+00	.23783942+01	.73396185+00
.29976017+00	.19058247+01	.22684046+00	.23872946+01	.73784944+00
.30019649+00	.19058800+01	.22644694+00	.23963026+01	.74177918+00
.30063282+00	.19059359+01	.22605292+00	.24054201+01	.74575178+00
.30106914+00	.19059926+01	.22565838+00	.24146497+01	.74976824+00
.30150547+00	.19060500+01	.22526328+00	.24239936+01	.75382937+00
.30194179+00	.19061081+01	.22486760+00	.24334544+01	.75793617+00
.30237811+00	.19061670+01	.22447130+00	.24430347+01	.76208964+00
.30281444+00	.19062265+01	.22407435+00	.24527372+01	.76629076+00
.30325076+00	.19062869+01	.22367672+00	.24625644+01	.77054052+00
.30368709+00	.19063479+01	.22327836+00	.24725195+01	.77484009+00
.30412341+00	.19064097+01	.22287926+00	.24826050+01	.77919044+00
.30455974+00	.19064723+01	.22247937+00	.24928244+01	.78359290+00
.30499606+00	.19065357+01	.22207865+00	.25031806+01	.78804855+00
.30543239+00	.19065998+01	.22167707+00	.25136767+01	.79255858+00
.30586871+00	.19066647+01	.22127458+00	.25243163+01	.79712429+00
.30627341+00	.19067257+01	.22090043+00	.25343161+01	.80141006+00

$$.24491205+01 = \Delta S/R$$

$$.49220171+02 = P_s/P_{\infty}$$

$$.38886335+01 = \rho_s/\rho_{\infty}$$

$$.12657447+02 = T_s/T_{\infty}$$

TABLE 122. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 22.5$

u_s	M_∞	θ_s	θ_w	
.95265880+00	.22499773+02	.26179936+00	.30541596+00	
θ	M_1^*	ψ_1	x	r
.26179938+00	.19052819+01	.26179936+00	.18660254+01	.50000000+00
.26267204+00	.19052833+01	.26092952+00	.18743346+01	.50397993+00
.26354471+00	.19052877+01	.26006515+00	.18827655+01	.50800908+00
.26441737+00	.19052948+01	.25920604+00	.18913204+01	.51208846+00
.26529004+00	.19053047+01	.25835202+00	.19000026+01	.51621924+00
.26616270+00	.19053173+01	.25750284+00	.19068149+01	.52040264+00
.26703537+00	.19053326+01	.25665845+00	.19177605+01	.52463986+00
.26790803+00	.19053506+01	.25581854+00	.19268427+01	.52893224+00
.26878069+00	.19053712+01	.25498296+00	.19360648+01	.53328105+00
.26965336+00	.19053944+01	.25415154+00	.19454304+01	.53768772+00
.27052602+00	.19054202+01	.25332411+00	.19549430+01	.54215366+00
.27139869+00	.19054486+01	.25250050+00	.19646065+01	.54668032+00
.27227135+00	.19054794+01	.25168054+00	.19744247+01	.55126926+00
.27314401+00	.19055128+01	.25086406+00	.19844018+01	.55592208+00
.27401668+00	.19055487+01	.25005090+00	.19945418+01	.56064039+00
.27488934+00	.19055870+01	.24924090+00	.20048493+01	.56542595+00
.27576201+00	.19056277+01	.24843389+00	.20153288+01	.57028053+00
.27663467+00	.19056709+01	.24762972+00	.20259849+01	.57520594+00
.27750733+00	.19057166+01	.24682823+00	.20368027+01	.58020415+00
.27838000+00	.19057646+01	.24602927+00	.20476847+01	.58527721+00
.27925266+00	.19058150+01	.24523267+00	.20586642+01	.59042712+00
.28012533+00	.19058678+01	.24443828+00	.20704790+01	.59565614+00
.28099799+00	.19059230+01	.24364594+00	.20820973+01	.60096645+00
.28187066+00	.19059805+01	.24285550+00	.20939254+01	.60636648+00
.28274332+00	.19060405+01	.24206680+00	.21059696+01	.61184068+00
.28361598+00	.19061028+01	.24127969+00	.21182367+01	.61740963+00
.28448865+00	.19061675+01	.24049400+00	.21307334+01	.62306999+00
.28536131+00	.19062346+01	.23970958+00	.21434672+01	.62882462+00
.28623398+00	.19063041+01	.23892627+00	.21564459+01	.63467648+00
.28710664+00	.19063769+01	.23814389+00	.21696771+01	.64062658+00
.28797930+00	.19064502+01	.23736230+00	.21831694+01	.64668418+00
.28885197+00	.19065249+01	.23658133+00	.21969318+01	.65284672+00
.28972463+00	.19066060+01	.23580079+00	.22109732+01	.65911968+00
.29059730+00	.19066875+01	.23502053+00	.22253035+01	.66550681+00
.29146996+00	.19067715+01	.23424037+00	.22399330+01	.67201202+00
.29234263+00	.19068580+01	.23346013+00	.22548723+01	.67863946+00
.29321529+00	.19069470+01	.23267962+00	.22701329+01	.68539347+00
.29408794+00	.19070386+01	.23189867+00	.22778874+01	.68881932+00
.29496059+00	.19071329+01	.23111797+00	.22857266+01	.69222850+00
.29583324+00	.19072307+01	.23033797+00	.22936523+01	.69577166+00

TABLE 122. (Concluded)

$$M_{\infty} = .22499473+02$$

$$\Theta_s = .26179938+00$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.29496059+00	.19071333+01	.23111700+00	.23016661+01	.69929949+00
.29539691+00	.19071815+01	.23072598+00	.23097699+01	.70286258+00
.29583324+00	.19072303+01	.23033464+00	.23174651+01	.70646156+00
.29626956+00	.19072798+01	.22994305+00	.23262538+01	.71009720+00
.29670589+00	.19073299+01	.22955117+00	.23346376+01	.71377009+00
.29714221+00	.19073807+01	.22915898+00	.23431185+01	.71748105+00
.29757854+00	.19074322+01	.22876646+00	.23516983+01	.72123074+00
.29801486+00	.19074844+01	.22837355+00	.23603794+01	.72502000+00
.29845119+00	.19075372+01	.22798025+00	.23691636+01	.72884959+00
.29888751+00	.19075907+01	.22758653+00	.23780531+01	.73272030+00
.29932383+00	.19076449+01	.22719235+00	.23870500+01	.73663298+00
.29976016+00	.19076998+01	.22679769+00	.23961568+01	.74058051+00
.30019648+00	.19077554+01	.22640251+00	.24053758+01	.74458779+00
.30063281+00	.19078117+01	.22600677+00	.24147092+01	.74863167+00
.30106913+00	.19078688+01	.22561050+00	.24241597+01	.75272115+00
.30150546+00	.19079265+01	.22521354+00	.24337299+01	.75685720+00
.30194178+00	.19079850+01	.22481605+00	.24434222+01	.76104079+00
.30237811+00	.19080442+01	.22441782+00	.24532396+01	.76527296+00
.30281443+00	.19081042+01	.22401889+00	.24631848+01	.76955481+00
.30325076+00	.19081649+01	.22361922+00	.24732608+01	.77388743+00
.30368708+00	.19082264+01	.22321876+00	.24834708+01	.77827199+00
.30412341+00	.19082887+01	.22281748+00	.24938178+01	.78270968+00
.30455973+00	.19083517+01	.22241535+00	.25043052+01	.78720175+00
.30499605+00	.19084156+01	.22201232+00	.25149362+01	.79174943+00
.30543237+00	.19084798+01	.22162356+00	.25253063+01	.79617977+00

$$.27565280+01 = \Delta S/R$$

$$.61944818+02 = P_s/P_{\infty}$$

$$.39473420+01 = \rho_s/\rho_{\infty}$$

$$.15692633+02 = T_s/T_{\infty}$$

TABLE 123. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 25.0$

u_s	M_∞	θ_s	θ_w	
.95332865+00	.24999949+02	.26179938+00	.30480093+00	
θ	M_1^*	ψ_1	x	r
.26179938+00	.19066216+01	.26179938+00	.18660254+01	.50000000+00
.26267204+00	.19066230+01	.26092952+00	.18744047+01	.50399877+00
.26354471+00	.19066273+01	.26006514+00	.18829076+01	.50804743+00
.26441737+00	.19066344+01	.25920603+00	.18915366+01	.51214699+00
.26529004+00	.19066443+01	.25835197+00	.19002950+01	.51629869+00
.26616270+00	.19066570+01	.25750284+00	.19091857+01	.52050374+00
.26703537+00	.19066723+01	.25665837+00	.19182120+01	.52476338+00
.26790803+00	.19066903+01	.25581840+00	.19273772+01	.52907698+00
.26878069+00	.19067110+01	.25498277+00	.19366848+01	.53345183+00
.26965336+00	.19067342+01	.25415127+00	.19461384+01	.53788342+00
.27052602+00	.19067600+01	.25332374+00	.19557417+01	.54237516+00
.27139869+00	.19067884+01	.25250000+00	.19654986+01	.54692855+00
.27227135+00	.19068193+01	.25167989+00	.19754131+01	.55154522+00
.27314401+00	.19068527+01	.25086324+00	.19854894+01	.55622676+00
.27401668+00	.19068886+01	.25004988+00	.19957318+01	.56097486+00
.27488934+00	.19069269+01	.24923965+00	.20061448+01	.56579132+00
.27576201+00	.19069677+01	.24843238+00	.20167332+01	.57067793+00
.27663467+00	.19070110+01	.24762791+00	.20275018+01	.57563660+00
.27750733+00	.19070566+01	.24682609+00	.20384557+01	.58066933+00
.27838000+00	.19071047+01	.24602675+00	.20496003+01	.58577820+00
.27925266+00	.19071552+01	.24522974+00	.20609411+01	.59096530+00
.28012533+00	.19072081+01	.24443490+00	.20724839+01	.59623294+00
.28099799+00	.19072633+01	.24364206+00	.20842347+01	.60158337+00
.28187066+00	.19073210+01	.24285107+00	.20961998+01	.60701910+00
.28274332+00	.19073810+01	.24206177+00	.21083857+01	.61254263+00
.28361598+00	.19074434+01	.24127400+00	.21207995+01	.61815663+00
.28448865+00	.19075083+01	.24048760+00	.21334482+01	.62386386+00
.28536131+00	.19075755+01	.23970240+00	.21463395+01	.62966724+00
.28623398+00	.19076451+01	.23891826+00	.21594813+01	.63556985+00
.28710664+00	.19077171+01	.23813498+00	.21728816+01	.64157475+00
.28797930+00	.19077915+01	.23735243+00	.21865495+01	.64768540+00
.28885197+00	.19078683+01	.23657041+00	.22004941+01	.65390531+00
.28972463+00	.19079477+01	.23578876+00	.22147247+01	.66023806+00
.29059730+00	.19080294+01	.23500730+00	.22292517+01	.66668756+00
.29146996+00	.19081136+01	.23422585+00	.22440856+01	.67325789+00
.29234263+00	.19082003+01	.23344424+00	.22592376+01	.67995328+00
.29321528+00	.19082898+01	.23266227+00	.22747196+01	.68677825+00
.29365161+00	.19083365+01	.23227109+00	.22825882+01	.69024079+00
.29408793+00	.19083819+01	.23187975+00	.22905440+01	.69373754+00
.29452426+00	.19084290+01	.23148822+00	.22985887+01	.69726912+00

TABLE 123. (Concluded)

$$M_{\infty} = .2494949+02$$

$$\Theta_s = .26179938+00$$

Θ	M_1^*	ψ_1	x	r
.29496058+00	.19084766+01	.23109648+00	.23067240+01	.70083618+00
.29539691+00	.19085250+01	.23070450+00	.23149517+01	.70443441+00
.29583323+00	.19085740+01	.23031227+00	.23232736+01	.70807946+00
.29626955+00	.19086237+01	.22991974+00	.23316917+01	.71175711+00
.29670588+00	.19086740+01	.22952690+00	.23402076+01	.71547302+00
.29714220+00	.19087250+01	.22913371+00	.23488237+01	.71922801+00
.29757853+00	.19087766+01	.22874015+00	.23575419+01	.72302285+00
.29801485+00	.19088290+01	.22834619+00	.23663641+01	.72685826+00
.29845118+00	.19088820+01	.22795179+00	.23752927+01	.73073512+00
.29888750+00	.19089357+01	.22755694+00	.23843299+01	.73465427+00
.29932383+00	.19089901+01	.22716160+00	.23934780+01	.73861659+00
.29976015+00	.19090453+01	.22676574+00	.24027393+01	.74262299+00
.30019648+00	.19091011+01	.22636933+00	.24121163+01	.74667429+00
.30063280+00	.19091577+01	.22597234+00	.24216116+01	.75077159+00
.30106913+00	.19092150+01	.22557472+00	.24312280+01	.75491589+00
.30150545+00	.19092730+01	.22517646+00	.24409679+01	.75910610+00
.30194177+00	.19093318+01	.22477752+00	.24508342+01	.76334434+00
.30237810+00	.19093912+01	.22437785+00	.24608298+01	.76764066+00
.30281442+00	.19094515+01	.22397743+00	.24709577+01	.77198320+00
.30325075+00	.19095126+01	.22357622+00	.24812210+01	.77637815+00
.30368707+00	.19095744+01	.22317418+00	.24916231+01	.78082675+00
.30412340+00	.19096370+01	.22277127+00	.25021670+01	.78533013+00
.30455972+00	.19097003+01	.22236745+00	.25128563+01	.78988968+00
.30499603+00	.19097637+01	.22196381+00	.25188292+01	.79443484+00

$$.30390684+01 = \Delta S/R$$

$$.76166305+02 = P_s/P_{\infty}$$

$$.39909755+01 = \rho_s/\rho_{\infty}$$

$$.19084634+02 = T_s/T_{\infty}$$

TABLE 124. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 27.5$

u_s	M_∞	θ_s	θ_w	
.95382532+00	.27500026+02	.26179938+00	.30434491+00	
θ	M_1^*	ψ_1	x	r
.26179938+00	.19076149+01	.26179938+00	.18660254+01	.50000000+00
.26267204+00	.19076163+01	.26092952+00	.18744576+01	.50401299+00
.26354471+00	.19076206+01	.26006511+00	.18830149+01	.50807638+00
.26441737+00	.19076278+01	.25920602+00	.18916999+01	.51219119+00
.26529004+00	.19076377+01	.25835197+00	.19005158+01	.51635870+00
.26616270+00	.19076503+01	.25750280+00	.19094658+01	.52058010+00
.26703537+00	.19076657+01	.25665830+00	.19185531+01	.52485669+00
.26790803+00	.19076837+01	.25581831+00	.19277810+01	.52918983+00
.26878069+00	.19077044+01	.25498262+00	.19371533+01	.53358080+00
.26965336+00	.19077276+01	.25415106+00	.19466734+01	.53803129+00
.27052602+00	.19077535+01	.25332345+00	.19563454+01	.54264256+00
.27139869+00	.19077818+01	.25249962+00	.19661730+01	.54741621+00
.27227135+00	.19078127+01	.25167940+00	.19761603+01	.55235385+00
.27314401+00	.19078462+01	.25086262+00	.19863118+01	.55745715+00
.27401668+00	.19078821+01	.25004911+00	.19966317+01	.56272782+00
.27488934+00	.19079204+01	.24923870+00	.20071248+01	.56806770+00
.27576201+00	.19079613+01	.24843123+00	.20177957+01	.57349785+00
.27663467+00	.19080046+01	.24762654+00	.20286494+01	.57902444+00
.27750733+00	.19080503+01	.24682447+00	.20396914+01	.58465213+00
.27838000+00	.19080984+01	.24602484+00	.20509270+01	.59038537+00
.27925266+00	.19081489+01	.24522752+00	.20623617+01	.59622965+00
.28012533+00	.19082018+01	.24443232+00	.20740017+01	.60219059+00
.28099799+00	.19082572+01	.24363910+00	.20858529+01	.60827504+00
.28187066+00	.19083149+01	.24284770+00	.20979220+01	.61448922+00
.28274332+00	.19083750+01	.24205794+00	.21102155+01	.62083023+00
.28361598+00	.19084375+01	.24126967+00	.21227407+01	.62730524+00
.28448865+00	.19085024+01	.24048273+00	.21355049+01	.63392228+00
.28536131+00	.19085697+01	.23969694+00	.21485159+01	.64068952+00
.28623398+00	.19086394+01	.23891216+00	.21617817+01	.64760691+00
.28710664+00	.19087115+01	.23812820+00	.21753108+01	.65467454+00
.28797930+00	.19087861+01	.23734490+00	.21891123+01	.66189244+00
.28885197+00	.19088630+01	.23656209+00	.22031956+01	.66926064+00
.28972463+00	.19089425+01	.23577958+00	.22175704+01	.67677919+00
.29059730+00	.19090244+01	.23499721+00	.22322472+01	.68444814+00
.29146996+00	.19091088+01	.23421478+00	.22472370+01	.69226854+00
.29234263+00	.19091957+01	.23343212+00	.22625512+01	.70024055+00
.29321527+00	.19092855+01	.23264903+00	.22782020+01	.70837424+00
.29408792+00	.19093783+01	.23225727+00	.22941576+01	.71667069+00
.29496057+00	.19094741+01	.23186532+00	.23104203+01	.72513094+00
.29583322+00	.19095729+01	.23147316+00	.23270377+01	.73375604+00

TABLE 124. (Concluded)

$$M_{\infty} = .27500026+02$$

$$\Theta_s = .26179938+00$$

Θ	M_1^*	ψ_1	x	r
.29496057+00	.19094720+01	.23108077+00	.23105657+01	.70200332+00
.29539690+00	.19095212+01	.23068813+00	.23188883+01	.70563728+00
.29583322+00	.19095704+01	.23029520+00	.23273070+01	.70930871+00
.29626455+00	.19096202+01	.22990195+00	.23358240+01	.71301849+00
.29670587+00	.19096706+01	.22950837+00	.23444411+01	.71676729+00
.29714220+00	.19097217+01	.22911442+00	.23531605+01	.72055595+00
.29757852+00	.19097736+01	.22872008+00	.23619843+01	.72438525+00
.29801485+00	.19098260+01	.22832530+00	.23709146+01	.72825599+00
.29845117+00	.19098792+01	.22793007+00	.23799538+01	.73216904+00
.29888749+00	.19099331+01	.22753436+00	.23891041+01	.73612526+00
.29932382+00	.19099877+01	.22713812+00	.23983678+01	.74012556+00
.29976014+00	.19100430+01	.22674135+00	.24077477+01	.74417090+00
.30019647+00	.19100991+01	.22634399+00	.24172460+01	.74826219+00
.30063279+00	.19101558+01	.22594602+00	.24268656+01	.75240048+00
.30106912+00	.19102133+01	.22554739+00	.24366089+01	.75658669+00
.30150544+00	.19102715+01	.22514809+00	.24464789+01	.76082195+00
.30194177+00	.19103305+01	.22474806+00	.24564786+01	.76510736+00
.30237809+00	.19103902+01	.22434729+00	.24666111+01	.76944409+00
.30281442+00	.19104507+01	.22394573+00	.24768792+01	.77383320+00
.30325074+00	.19105120+01	.22354333+00	.24872863+01	.77827597+00
.30368707+00	.19105740+01	.22314008+00	.24978357+01	.78277364+00
.30412339+00	.19106369+01	.22273591+00	.25085308+01	.78732745+00
.30455971+00	.19106991+01	.22233035+00	.25194017+01	.78966141+00

$$.32998131+01 = \Delta S/R$$

$$.91885391+02 = P_s/P_{\infty}$$

$$.40241197+01 = \rho_s/\rho_{\infty}$$

$$.22633663+02 = T_s/T_{\infty}$$

TABLE 125. CONICAL FLOWFIELD $\theta_s = 15.0$ DEG; $M_\infty = 30.0$

u_s	M_∞	θ_s	θ_w	
.95420364+00	.30000019+02	.26179936+00	.30399757+00	
θ	M_1^*	ψ_1	x	r
.26179936+00	.19083715+01	.26179936+00	.13660254+01	.50000000+00
.26267204+00	.19083729+01	.26092952+00	.18744984+01	.50402397+00
.26354471+00	.19083772+01	.26006514+00	.18630977+01	.50809873+00
.26441737+00	.19083844+01	.25920602+00	.18918259+01	.51222531+00
.26529004+00	.19083943+01	.25835196+00	.19006863+01	.51640502+00
.26616270+00	.19084070+01	.25750277+00	.19090820+01	.52063905+00
.26703537+00	.19084223+01	.25665826+00	.19180164+01	.52492873+00
.26790803+00	.19084404+01	.25581823+00	.19280929+01	.52927544+00
.26878069+00	.19084610+01	.25498250+00	.19375151+01	.53363054+00
.26965336+00	.19084843+01	.25415089+00	.19470868+01	.53814553+00
.27052602+00	.19085101+01	.25332323+00	.19568118+01	.54267190+00
.27139869+00	.19085385+01	.25249933+00	.19666940+01	.54726119+00
.27227136+00	.19085695+01	.25167902+00	.19767378+01	.55191507+00
.27314401+00	.19086029+01	.25086214+00	.19869474+01	.55663520+00
.27401668+00	.19086388+01	.25004850+00	.19973273+01	.56142333+00
.27488934+00	.19086773+01	.24923796+00	.20078822+01	.56628131+00
.27576201+00	.19087181+01	.24843037+00	.20186171+01	.57121103+00
.27663467+00	.19087614+01	.24762547+00	.20295369+01	.57621440+00
.27750733+00	.19088072+01	.24682320+00	.20406471+01	.58129357+00
.27838000+00	.19088553+01	.24602330+00	.20519531+01	.58645062+00
.27925266+00	.19089059+01	.24522577+00	.20634606+01	.59168777+00
.28012533+00	.19089589+01	.24443033+00	.20751759+01	.59700741+00
.28099799+00	.19090142+01	.24363681+00	.20871050+01	.60241187+00
.28187066+00	.19090720+01	.24284507+00	.20992547+01	.60790376+00
.28274332+00	.19091322+01	.24205496+00	.21116318+01	.61348570+00
.28361598+00	.19091947+01	.24126630+00	.21242435+01	.61916045+00
.28448865+00	.19092597+01	.24047894+00	.21370973+01	.62493093+00
.28536131+00	.19093271+01	.23969270+00	.21502011+01	.63080013+00
.28623398+00	.19093969+01	.23890742+00	.21635633+01	.63677125+00
.28710664+00	.19094691+01	.23812293+00	.21771924+01	.64284758+00
.28797930+00	.19095437+01	.23733905+00	.21910977+01	.64903264+00
.28885197+00	.19096208+01	.23655562+00	.22052888+01	.65533011+00
.28972463+00	.19097003+01	.23577245+00	.22197756+01	.66174379+00
.29059730+00	.19097823+01	.23498936+00	.22345690+01	.66827777+00
.29146996+00	.19098669+01	.23420617+00	.22496800+01	.67493427+00
.29234262+00	.19099541+01	.23342270+00	.22651203+01	.68172375+00
.29321527+00	.19100440+01	.23263874+00	.22809926+01	.68864496+00
.29408792+00	.19100900+01	.23224651+00	.22889280+01	.69215726+00
.29496057+00	.19101366+01	.23185408+00	.22970400+01	.69570493+00
.29583322+00	.19101838+01	.23146144+00	.23052462+01	.69928861+00

TABLE 125. (Concluded)

$$M_{\infty} = +30000019+02$$

$$\Theta_s = +26179938+00$$

Θ	M_1^*	ψ_1	x	r
+29496057+00	+19102317+01	+23106654+00	+23135464+01	+70290693+00
+29539689+00	+19102802+01	+23067530+00	+23219428+01	+70656674+00
+29583322+00	+19103294+01	+23028190+00	+23304368+01	+71026259+00
+29626954+00	+19103793+01	+22988810+00	+23390309+01	+71399740+00
+29670586+00	+19104299+01	+22949395+00	+23477269+01	+71777187+00
+29714219+00	+19104811+01	+22909940+00	+23565269+01	+72158676+00
+29757851+00	+19105331+01	+22870445+00	+23654331+01	+72544292+00
+29801484+00	+19105857+01	+22830904+00	+23744477+01	+72934120+00
+29845116+00	+19106390+01	+22791316+00	+23835732+01	+73328249+00
+29888749+00	+19106930+01	+22751677+00	+23928116+01	+73726759+00
+29932381+00	+19107477+01	+22711984+00	+24021657+01	+74129754+00
+29976014+00	+19108031+01	+22672235+00	+24116380+01	+74537327+00
+30019646+00	+19108593+01	+22632422+00	+24212309+01	+74949571+00
+30063279+00	+19109162+01	+22592549+00	+24309476+01	+75366801+00
+30106911+00	+19109738+01	+22552608+00	+24407902+01	+75788500+00
+30150544+00	+19110322+01	+22512595+00	+24507622+01	+76215397+00
+30194176+00	+19110913+01	+22472509+00	+24608662+01	+76647392+00
+30237808+00	+19111512+01	+22432345+00	+24711055+01	+77084608+00
+30281441+00	+19112119+01	+22392099+00	+24814834+01	+77527165+00
+30325073+00	+19112734+01	+22351768+00	+24920030+01	+77975182+00
+30368706+00	+19113356+01	+22311347+00	+25026678+01	+78428791+00
+30399757+00	+19113804+01	+22282524+00	+25103478+01	+78875500+00

$$+35414623+01 = \Delta S/R$$

$$+10910099+03 = P_s/P_{\infty}$$

$$+40498531+01 = \rho_s/\rho_{\infty}$$

$$+26939492+02 = T_s/T_{\infty}$$

TABLE 126. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 1.3145811$

u_s	M_∞	θ_s	θ_w	
.50000938+00	.13145811+01	.30543261+00	.97946664+00	
θ	M_1^*	ψ_1	x	r
.30543261+00	.10000000+01	.30543261+00	.15857974+01	.50000000+00
.32637655+00	.10003947+01	.28578795+00	.15762004+01	.53351435+00
.34732049+00	.10014312+01	.26842029+00	.15682146+01	.56768568+00
.36826443+00	.10029407+01	.25293216+00	.15616735+01	.60259956+00
.38920837+00	.10048045+01	.23901385+00	.15564568+01	.63834934+00
.41015231+00	.10069376+01	.22642003+00	.15524775+01	.67503632+00
.43109625+00	.10092786+01	.21495362+00	.15496750+01	.71277073+00
.44985853+00	.10115151+01	.20550695+00	.15481327+01	.74756322+00
.46862081+00	.10138580+01	.19674048+00	.15474907+01	.78338939+00
.48738309+00	.10162894+01	.18857832+00	.15477459+01	.82035391+00
.50614531+00	.10187953+01	.18093629+00	.15489080+01	.85857335+00
.52490743+00	.10213656+01	.17377012+00	.15509960+01	.89817627+00
.54366955+00	.10239928+01	.16702361+00	.15540403+01	.93930659+00
.56025003+00	.10263578+01	.16137508+00	.15575601+01	.97705416+00
.57683051+00	.10287607+01	.15592212+00	.15618966+01	.10162446+01
.59341098+00	.10312001+01	.15085044+00	.15670959+01	.10570173+01
.60999146+00	.10336756+01	.14592816+00	.15732132+01	.10995284+01
.62657194+00	.10361872+01	.14120553+00	.15803148+01	.11439540+01
.64315242+00	.10387359+01	.13666455+00	.15884794+01	.11904943+01
.65755125+00	.10409805+01	.13285573+00	.15965040+01	.12328022+01
.67195009+00	.10432555+01	.12916148+00	.16054721+01	.12770458+01
.68634892+00	.10455629+01	.12557245+00	.16154669+01	.13234170+01
.70074776+00	.10479047+01	.12207987+00	.16265852+01	.13721343+01
.71514659+00	.10502835+01	.11867534+00	.16389395+01	.14234474+01
.72954543+00	.10527025+01	.11535092+00	.16526626+01	.14776444+01
.74176262+00	.10547890+01	.11258721+00	.16654949+01	.15261378+01
.75397982+00	.10569094+01	.10987096+00	.16795348+01	.15771805+01
.76619701+00	.10590665+01	.10719760+00	.16949111+01	.16310411+01
.77841420+00	.10612635+01	.10456258+00	.17117732+01	.16880294+01
.79063140+00	.10635042+01	.10196127+00	.17302992+01	.17485047+01
.80284857+00	.10657925+01	.99388987+00	.17506947+01	.18128870+01
.81288414+00	.10677113+01	.97294353+00	.17690196+01	.18690405+01
.82291970+00	.10696686+01	.95213175+00	.17889338+01	.19284824+01
.83295525+00	.10716677+01	.93142495+00	.18106268+01	.19915843+01
.84299080+00	.10737127+01	.91079116+00	.18343180+01	.20587800+01
.85302635+00	.10758080+01	.89019626+00	.18602738+01	.21305802+01
.86306190+00	.10779587+01	.86960256+00	.18888087+01	.22075917+01
.87091582+00	.10796845+01	.85345976+00	.19131834+01	.22719623+01
.87876973+00	.10814513+01	.83726965+00	.19395879+01	.23403807+01
.88662364+00	.10832628+01	.82100786+00	.19682790+01	.24133307+01

TABLE 126. (Concluded)

$$M_{\infty} = .13145811+01$$

$$\Theta_s = .30543261+00$$

Θ	M_1^*	ψ_1	x	r
.89447755+00	.10851235+01	.80464616-01	.19995622+01	.24913839+01
.90233146+00	.10870385+01	.78815363-01	.20338040+01	.25752226+01
.91018537+00	.10890139+01	.77149324-01	.20714495+01	.26656688+01
.91585764+00	.10904819+01	.75933240-01	.21010577+01	.27356573+01
.92152990+00	.10919882+01	.74704401-01	.21329704+01	.28100618+01
.92720217+00	.10935362+01	.73460639-01	.21674795+01	.28894126+01
.93287444+00	.10951302+01	.72199553-01	.22049321+01	.29743376+01
.93854642+00	.10967751+01	.70918381-01	.22457437+01	.30655839+01
.94421743+00	.10984763+01	.69613859-01	.22904171+01	.31640491+01
.94770728+00	.10995542+01	.68797737-01	.23200965+01	.32287116+01
.95119713+00	.11006581+01	.67970186-01	.23516494+01	.32968398+01
.95468698+00	.11017898+01	.67129970-01	.23852756+01	.33687875+01
.95817684+00	.11029519+01	.66275701-01	.24212090+01	.34449666+01
.96166669+00	.11041471+01	.65405816-01	.24597229+01	.35258570+01
.96515654+00	.11053786+01	.64518467-01	.25011405+01	.36120243+01
.96864639+00	.11066502+01	.63611493-01	.25458478+01	.37041415+01
.97213624+00	.11079663+01	.62682405-01	.25943094+01	.38030162+01
.97562610+00	.11093320+01	.61728135-01	.26470945+01	.39096332+01
.97911595+00	.11107538+01	.60745016-01	.27049069+01	.40252064+01
.97946664+00	.11109001+01	.60644470-01	.27110270+01	.40373715+01

$$.78437477-03 = \Delta S/R$$

$$.15178615+01 = P_s/P_{\infty}$$

$$.12841059+01 = \rho_s/\rho_{\infty}$$

$$.11820376+01 = T_s/T_{\infty}$$

TABLE 127. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 1.5$

u_s	M_∞	θ_s	θ_w	
.55854790+00	.14999967+01	.30543261+00	.83069723+00	
θ	M_1^*	ψ_1	χ	r
.30543261+00	.11170748+01	.30543261+00	.15857974+01	.50000000+00
.32114056+00	.11173295+01	.29046611+00	.15932321+01	.52999774+00
.33684852+00	.11180193+01	.27683492+00	.16013668+01	.56079061+00
.35255647+00	.11190550+01	.26434948+00	.16102383+01	.59245228+00
.36826443+00	.11203689+01	.25285476+00	.16192884+01	.62506282+00
.38397238+00	.11219093+01	.24222247+00	.16303633+01	.65870942+00
.39837134+00	.11234860+01	.23314187+00	.16407349+01	.69054390+00
.41277030+00	.11251953+01	.22462549+00	.16518898+01	.72341013+00
.42716926+00	.11270179+01	.21661270+00	.16638797+01	.75737688+00
.44156822+00	.11289387+01	.20905116+00	.16767624+01	.79260179+00
.45596718+00	.11309455+01	.20189496+00	.16906040+01	.82913303+00
.46905714+00	.11328365+01	.19570702+00	.17040819+01	.86359517+00
.48214710+00	.11347851+01	.18979382+00	.17184766+01	.89935259+00
.49523706+00	.11367868+01	.18413118+00	.17338592+01	.93651641+00
.50832696+00	.11388382+01	.17869719+00	.17503099+01	.97521008+00
.52141681+00	.11409369+01	.17347212+00	.17679195+01	.10155718+01
.53319767+00	.11428647+01	.16893329+00	.17848436+01	.10534513+01
.54497854+00	.11448288+01	.16453698+00	.18028747+01	.10929339+01
.55675940+00	.11468290+01	.16027186+00	.18221088+01	.11341612+01
.56854027+00	.11488653+01	.15612755+00	.18426542+01	.11772920+01
.58032113+00	.11509384+01	.15209406+00	.18646345+01	.12225057+01
.59079301+00	.11528129+01	.14859421+00	.18854909+01	.12646078+01
.60126489+00	.11547182+01	.14516833+00	.19077054+01	.13086770+01
.61173677+00	.11566556+01	.14181036+00	.19314056+01	.13548949+01
.62220865+00	.11586267+01	.13851439+00	.19567373+01	.14034671+01
.63268054+00	.11606333+01	.13527475+00	.19838675+01	.14546278+01
.64184343+00	.11624197+01	.13248181+00	.20092320+01	.15017263+01
.65100633+00	.11642371+01	.12972387+00	.20362674+01	.15512152+01
.66016922+00	.11660869+01	.12699717+00	.20651426+01	.16033273+01
.66933212+00	.11679715+01	.12429783+00	.20960508+01	.16583276+01
.67849501+00	.11698934+01	.12162194+00	.21292156+01	.17165209+01
.68634892+00	.11715727+01	.11934388+00	.21596341+01	.17692077+01
.69420283+00	.11732837+01	.11707741+00	.21920892+01	.18247531+01
.70205674+00	.11750288+01	.11481970+00	.22267977+01	.18834486+01
.70991065+00	.11768107+01	.11256780+00	.22640163+01	.19456301+01
.71776456+00	.11786323+01	.11031850+00	.23040199+01	.20116872+01
.72430949+00	.11801833+01	.10844360+00	.23397425+01	.20700203+01
.73085441+00	.11817667+01	.10656594+00	.23778748+01	.21316634+01
.73739934+00	.11833850+01	.10468319+00	.24186831+01	.21969670+01
.74394426+00	.11850412+01	.10279270+00	.24624781+01	.22663379+01

TABLE 127. (Concluded)

$$M_{\infty} = .14999967+01$$

$$\Theta_s = .30543261+00$$

Θ	M_1^*	ψ_1	x	r
.75048919+00	.11867387+01	.10089166+00	.25096236+01	.23402506+01
.75572513+00	.11881290+01	.99361010-01	.25500386+01	.24030231+01
.76096107+00	.11995504+01	.97819716-01	.25931287+01	.24693908+01
.76619701+00	.11910055+01	.96265666-01	.26391922+01	.25397385+01
.77143295+00	.11924973+01	.94696574-01	.26885767+01	.26145130+01
.77666889+00	.11940289+01	.93109831-01	.27416909+01	.26942380+01
.78059497+00	.11952062+01	.91906473-01	.27842524+01	.27576335+01
.78452106+00	.11964100+01	.90690084-01	.28294203+01	.28244613+01
.78844714+00	.11976424+01	.89459062-01	.28774488+01	.28950692+01
.79237323+00	.11989056+01	.88211596-01	.29287158+01	.29698594+01
.79629931+00	.12002025+01	.86946660-01	.29835316+01	.30492989+01
.79991670+00	.12010874+01	.86090289-01	.30222704+01	.31051086+01
.80153409+00	.12019895+01	.85224874-01	.30629360+01	.31634126+01
.80415148+00	.12029102+01	.84348589-01	.31056960+01	.32244205+01
.80676886+00	.12038507+01	.83460413-01	.31497390+01	.32883681+01
.80938625+00	.12048124+01	.82559310-01	.31958279+01	.33555228+01
.81200364+00	.12057969+01	.81644043-01	.32448563+01	.34261908+01
.81462103+00	.12068062+01	.80713265-01	.33018733+01	.35007212+01
.81723842+00	.12078421+01	.79765432-01	.33588535+01	.35795191+01
.81985581+00	.12089072+01	.78798763-01	.34169297+01	.36630549+01
.82247320+00	.12100042+01	.77811204-01	.34835052+01	.37518804+01
.82509059+00	.12111363+01	.76800406-01	.35527929+01	.38466491+01
.82770798+00	.12123071+01	.75763509-01	.36274294+01	.39481418+01
.83032537+00	.12135213+01	.74697189-01	.37081884+01	.40573052+01
.83069723+00	.12136976+01	.74543066-01	.37202115+01	.40735011+01

$$.12397480+02 = \Delta S/R$$

$$.15888432+01 = P_s/P_{\infty}$$

$$.13195650+01 = \rho_s/\rho_{\infty}$$

$$.12040659+01 = T_s/T_{\infty}$$

TABLE 128. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 2.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.66856004+00	.19999953+01	.30543261+00	.63603823+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.30543261+00	.13370950+01	.30543261+00	.15857974+01	.50000000+00
.31546825+00	.13372230+01	.29570413+00	.16001418+01	.52223427+00
.32550369+00	.13375824+01	.28654467+00	.16152511+01	.54516167+00
.33553952+00	.13381415+01	.27789358+00	.16311720+01	.56883230+00
.34557516+00	.13388746+01	.26969850+00	.16479569+01	.59330092+00
.35561080+00	.13397605+01	.26191389+00	.16656641+01	.61862767+00
.36477377+00	.13406878+01	.25513075+00	.16826919+01	.64255749+00
.37393675+00	.13417168+01	.24862954+00	.17005978+01	.66731302+00
.38309972+00	.13428380+01	.24238609+00	.17194423+01	.69295485+00
.39226269+00	.13440437+01	.23637860+00	.17392931+01	.71954972+00
.40142567+00	.13453273+01	.23058732+00	.17602258+01	.74717139+00
.40971598+00	.13466512+01	.22551884+00	.17801669+01	.77311503+00
.41800629+00	.13478311+01	.22060035+00	.18011314+01	.80063256+00
.42629660+00	.13491642+01	.21582047+00	.18231962+01	.82799774+00
.43458690+00	.13505484+01	.21116854+00	.18464475+01	.85709223+00
.44287721+00	.13519818+01	.20663461+00	.18709804+01	.88740641+00
.45029486+00	.13533051+01	.20267032+00	.18941061+01	.91564597+00
.45771251+00	.13546662+01	.19878665+00	.19184275+01	.94502312+00
.46513015+00	.13560649+01	.19497744+00	.19440436+01	.97562709+00
.47254780+00	.13575009+01	.19123678+00	.19710601+01	.10075572+01
.47996544+00	.13589746+01	.18755901+00	.19995973+01	.10409242+01
.48651042+00	.13603065+01	.18436166+00	.20261474+01	.10716579+01
.49305540+00	.13616685+01	.18120513+00	.20540909+01	.11037025+01
.49960038+00	.13630613+01	.17808567+00	.20835445+01	.11371647+01
.50614531+00	.13644858+01	.17499952+00	.21146387+01	.11721629+01
.51269024+00	.13659430+01	.17194293+00	.21475220+01	.12088315+01
.51836251+00	.13672333+01	.16931492+00	.21775966+01	.12420783+01
.52403478+00	.13685502+01	.16670370+00	.22092633+01	.12768034+01
.52970704+00	.13698947+01	.16410668+00	.22426597+01	.13131300+01
.53537931+00	.13712681+01	.16152119+00	.22779418+01	.13511975+01
.54105158+00	.13726719+01	.15894446+00	.23152855+01	.13911623+01
.54585119+00	.13738848+01	.15676872+00	.23486421+01	.14265918+01
.55065001+00	.13751219+01	.15459526+00	.23837555+01	.14636283+01
.55545042+00	.13763844+01	.15242202+00	.24207801+01	.15024079+01
.56025003+00	.13776739+01	.15024688+00	.24598905+01	.15430841+01
.56504964+00	.13789921+01	.14806753+00	.25012854+01	.15858310+01
.56897660+00	.13800931+01	.14627960+00	.25370103+01	.16224831+01
.57290355+00	.13812150+01	.14448574+00	.25745551+01	.16607751+01
.57683051+00	.13823612+01	.14268436+00	.26140783+01	.17008444+01
.58075688+00	.13835317+01	.14087386+00	.26557517+01	.17428390+01

TABLE 128. (Concluded) ^p

$$M_{\infty} = .19999953+01$$

$$\Theta_s = .30543261+00$$

$\underline{\Theta}$	$\underline{M^*_1}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.58468296+00	.13847264+01	.13905231+00	.26997797+01	.17869361+01
.58773658+00	.13856783+01	.13762658+00	.27357999+01	.18228156+01
.59079020+00	.13866457+01	.13619181+00	.27735071+01	.18601931+01
.59384303+00	.13876319+01	.13474686+00	.28130375+01	.18991859+01
.59689745+00	.13886379+01	.13329045+00	.28545435+01	.19399242+01
.59995107+00	.13896650+01	.13182123+00	.28981972+01	.19825552+01
.60213222+00	.13904124+01	.13024310+00	.29308000+01	.20142555+01
.60431338+00	.13911710+01	.12969704+00	.29646759+01	.20470726+01
.60649454+00	.13919439+01	.12862242+00	.29999117+01	.20810800+01
.60867570+00	.13927294+01	.12753851+00	.30366028+01	.21163507+01
.61085685+00	.13935289+01	.12644453+00	.30748545+01	.21529978+01
.61216555+00	.13940157+01	.12578294+00	.30986030+01	.21756752+01
.61347424+00	.13945080+01	.12511727+00	.31229827+01	.21989009+01
.61478294+00	.13950061+01	.12444727+00	.31480229+01	.22226997+01
.61609163+00	.13955102+01	.12377271+00	.31737550+01	.22470981+01
.61740033+00	.13960203+01	.12309339+00	.32002127+01	.22721242+01
.61870902+00	.13965370+01	.12240905+00	.32274319+01	.22970084+01
.62001771+00	.13970603+01	.12171940+00	.32554514+01	.23241830+01
.62132641+00	.13975905+01	.12102421+00	.32843128+01	.23512833+01
.62263510+00	.13981279+01	.12032314+00	.33140609+01	.23791465+01
.62394380+00	.13986728+01	.11961593+00	.33447443+01	.24078133+01
.62525249+00	.13992257+01	.11890215+00	.33764155+01	.24373277+01
.62656119+00	.13997868+01	.11818153+00	.34091312+01	.24677370+01
.62786988+00	.14003564+01	.11745358+00	.34429538+01	.24990930+01
.62917858+00	.14009351+01	.11671796+00	.34779505+01	.25314519+01
.63048727+00	.14015233+01	.11597417+00	.35141945+01	.25648746+01
.63179597+00	.14021215+01	.11522169+00	.35517673+01	.25994285+01
.63310466+00	.14027301+01	.11445997+00	.35907569+01	.26351870+01
.63441335+00	.14033498+01	.11368849+00	.36312614+01	.26722312+01
.63572205+00	.14039813+01	.11290653+00	.36733885+01	.27106502+01
.63603823+00	.14041357+01	.11271599+00	.36838228+01	.27201492+01

$$.56693479-02 = \Delta S/R$$

$$.18809025+01 = P_s/P_{\infty}$$

$$.14575773+01 = \rho_s/\rho_{\infty}$$

$$.12904308+01 = T_s/T_{\infty}$$

TABLE 129. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 2.5$

u_s	M_∞	θ_s	θ_w	
.73982656+00	.24999894+01	.30543261+00	.54395503+00	
θ	M_1^*	ψ_1	x	r
.30543261+00	.14796254+01	.30543261+00	.15857974+01	.50000000+00
.31241392+00	.14796951+01	.29860118+00	.16005607+01	.51696698+00
.31939524+00	.14798944+01	.29205186+00	.16159454+01	.53442942+00
.32637655+00	.14802109+01	.28576038+00	.16320484+01	.55241785+00
.33335786+00	.14806336+01	.27970510+00	.16488498+01	.57096539+00
.33990284+00	.14811184+01	.27422550+00	.16652930+01	.58889351+00
.34644783+00	.14816819+01	.26892191+00	.16824466+01	.60737702+00
.35299281+00	.14823184+01	.26378109+00	.17003542+01	.62645093+00
.35953779+00	.14830233+01	.25879091+00	.17190636+01	.64615344+00
.36564644+00	.14837390+01	.25425943+00	.17372956+01	.66651463+00
.37175509+00	.14845074+01	.24984697+00	.17563188+01	.68475997+00
.37786373+00	.14853261+01	.24552763+00	.17761644+01	.70503467+00
.38397238+00	.14861929+01	.24131201+00	.17969490+01	.72601441+00
.38964470+00	.14870390+01	.23747888+00	.18170896+01	.74616901+00
.39531702+00	.14879238+01	.23371865+00	.18381135+01	.76701534+00
.40098934+00	.14888462+01	.23002627+00	.18600806+01	.78859954+00
.40666165+00	.14898055+01	.22639686+00	.18830570+01	.81097233+00
.41169764+00	.14907231+01	.22309843+00	.19052249+01	.83237215+00
.41713362+00	.14916712+01	.21984604+00	.19283781+01	.85453940+00
.42236961+00	.14926497+01	.21663618+00	.19525864+01	.87752692+00
.42760559+00	.14936586+01	.21346541+00	.19779267+01	.90139293+00
.43240524+00	.14946101+01	.21059034+00	.20022222+01	.92409639+00
.43720490+00	.14955876+01	.20774262+00	.20276130+01	.94764633+00
.44200455+00	.14965911+01	.20491965+00	.20541794+01	.97210275+00
.44680420+00	.14976212+01	.20211887+00	.20820102+01	.99753194+00
.45116752+00	.14985813+01	.19958967+00	.21084911+01	.10215551+01
.45553084+00	.14995642+01	.19707456+00	.21361809+01	.10465040+01
.45989417+00	.15005708+01	.19457147+00	.21651706+01	.10724457+01
.46425749+00	.15016016+01	.19207823+00	.21955619+01	.10994553+01
.46818447+00	.15025508+01	.18964090+00	.22242056+01	.11247452+01
.47211146+00	.15035211+01	.18760813+00	.22541674+01	.11510343+01
.47603845+00	.15045132+01	.18537809+00	.22855495+01	.11783971+01
.47996544+00	.15055281+01	.18314898+00	.23184653+01	.12069163+01
.48345610+00	.15064501+01	.18116675+00	.23491136+01	.12333119+01
.48694675+00	.15073918+01	.17918223+00	.23811734+01	.12607661+01
.49043741+00	.15083539+01	.17719394+00	.24147553+01	.12893589+01
.49392805+00	.15093380+01	.17520031+00	.24499830+01	.13191795+01
.49698232+00	.15102182+01	.17345024+00	.24822655+01	.13463575+01
.50003658+00	.15111167+01	.17169335+00	.25160176+01	.13746262+01
.50309020+00	.15120341+01	.16992763+00	.25513470+01	.14040617+01

TABLE 129. (Concluded)

$$M_{\infty} = .24999894+01$$

$$\Theta_s = .30543261+00$$

Θ	M_1^*	ψ_1	x	r
.50614382+00	.15129717+01	.16815222+00	.25883902+01	.14347625+01
.50876121+00	.15137921+01	.16662169+00	.26216146+01	.14621621+01
.51137860+00	.15146289+01	.16508171+00	.26563056+01	.14906391+01
.51399599+00	.15154830+01	.16353108+00	.26925763+01	.15202737+01
.51661338+00	.15163553+01	.16194857+00	.27305533+01	.15511554+01
.51879454+00	.15170970+01	.16065630+00	.27636052+01	.15779143+01
.52097569+00	.15178529+01	.15933389+00	.27980308+01	.16056726+01
.52315685+00	.15186235+01	.15800033+00	.28339311+01	.16345015+01
.52533801+00	.15194099+01	.15665451+00	.28714176+01	.16644792+01
.52708293+00	.15200509+01	.15556827+00	.29026327+01	.16893473+01
.52882786+00	.15207031+01	.15447282+00	.29350135+01	.17150562+01
.53057279+00	.15213670+01	.15336743+00	.29686376+01	.17416601+01
.53231771+00	.15220432+01	.15225135+00	.30035902+01	.17692186+01
.53362641+00	.15225588+01	.15140676+00	.30307328+01	.17905532+01
.53493510+00	.15230821+01	.15055532+00	.30587192+01	.18124918+01
.53624380+00	.15236133+01	.14969662+00	.30875961+01	.18350670+01
.53755249+00	.15241528+01	.14883020+00	.31174147+01	.18583144+01
.53886119+00	.15247009+01	.14795560+00	.31482303+01	.18822723+01
.54016988+00	.15252582+01	.14707233+00	.31801032+01	.19069825+01
.54147857+00	.15258250+01	.14617980+00	.32130997+01	.19324907+01
.54278727+00	.15264018+01	.14527746+00	.32472915+01	.19588466+01
.54395503+00	.15269254+01	.14446347+00	.32788748+01	.19831243+01

$$.17943040-01 = \Delta S/R$$

$$.22604788+01 = P_s/P_{\infty}$$

$$.16195669+01 = \rho_s/\rho_{\infty}$$

$$.13957305+01 = T_s/T_{\infty}$$

TABLE 130. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 3.0$

u_s	M_∞	θ_s	θ_w	
.78788327+00	.29999945+01	.30543261+00	.49116692+00	
θ	M_1^*	ψ_1	x	r
.30543261+00	.15757370+01	.30543261+00	.15857974+01	.50000000+00
.31066860+00	.15757791+01	.30028134+00	.15998522+01	.51365633+00
.31590458+00	.15759010+01	.29529102+00	.16144319+01	.52767763+00
.32114056+00	.15760967+01	.29044979+00	.16295637+01	.54208365+00
.32637655+00	.15763612+01	.28574684+00	.16452776+01	.55689569+00
.33161253+00	.15766899+01	.28117226+00	.16616057+01	.57213669+00
.33684852+00	.15770787+01	.27671697+00	.16785834+01	.58783148+00
.34206450+00	.15775242+01	.27237251+00	.16962486+01	.60400687+00
.34732049+00	.15780234+01	.26813107+00	.17146429+01	.62069198+00
.35255647+00	.15785736+01	.26398536+00	.17338120+01	.63791852+00
.35779246+00	.15791724+01	.25992852+00	.17538057+01	.65572098+00
.36215578+00	.15797072+01	.25661104+00	.17711362+01	.67102338+00
.36651910+00	.15802735+01	.25334723+00	.17891117+01	.68677553+00
.37088242+00	.15808703+01	.25013371+00	.18077695+01	.70300300+00
.37524574+00	.15814970+01	.24696717+00	.18271503+01	.71973353+00
.37960906+00	.15821530+01	.24384446+00	.18472983+01	.73699718+00
.38397238+00	.15828378+01	.24076249+00	.18682618+01	.75462665+00
.38833570+00	.15835511+01	.23771825+00	.18900936+01	.77325760+00
.39269903+00	.15842926+01	.23470879+00	.19128514+01	.79232884+00
.39706235+00	.15850621+01	.23173124+00	.19365987+01	.81208308+00
.40142567+00	.15858598+01	.22878268+00	.19614054+01	.83256707+00
.40491632+00	.15866518+01	.22644282+00	.19820653+01	.84951413+00
.40840698+00	.15871948+01	.22411817+00	.20034962+01	.86699005+00
.41189764+00	.15878897+01	.22180730+00	.20257449+01	.88502599+00
.41538829+00	.15886032+01	.21950873+00	.20488630+01	.90365606+00
.41887895+00	.15893355+01	.21722089+00	.20729068+01	.92291740+00
.42236961+00	.15900870+01	.21494224+00	.20979379+01	.94285049+00
.42586026+00	.15908581+01	.21267122+00	.21240242+01	.96349990+00
.42935092+00	.15916493+01	.21040613+00	.21512401+01	.98491442+00
.43284158+00	.15924611+01	.20814527+00	.21796681+01	.10071478+01
.43633223+00	.15932943+01	.20588687+00	.22093996+01	.10302597+01
.43895023+00	.15939335+01	.20419356+00	.22326141+01	.10482095+01
.44156822+00	.15945856+01	.20249975+00	.22566658+01	.10667208+01
.44418621+00	.15952508+01	.20080461+00	.22816060+01	.10858269+01
.44680420+00	.15959295+01	.19910717+00	.23074908+01	.11055641+01
.44942216+00	.15966232+01	.19740672+00	.23343809+01	.11259713+01
.45204011+00	.15973315+01	.19570212+00	.23623437+01	.11470920+01
.45465805+00	.15980550+01	.19399215+00	.23914531+01	.11689734+01
.45727600+00	.15987944+01	.19227573+00	.24217905+01	.11916679+01
.45989395+00	.15995502+01	.19055158+00	.24534459+01	.12152327+01

TABLE 130. (Concluded)

$M_{\infty} = .29999945+01$		$\Theta_s = .30543261+00$		
Θ	M_1^*	ψ_1	x	r
.46251190+00	.16003233+01	.18881845+00	.24865195+01	.12397318+01
.46425720+00	.16008488+01	.18765729+00	.25094106+01	.12566160+01
.46600249+00	.16013826+01	.18649102+00	.25330175+01	.12739737+01
.46774779+00	.16019250+01	.18531915+00	.25573789+01	.12918236+01
.46949309+00	.16024764+01	.18414120+00	.25825372+01	.13101943+01
.47123839+00	.16030372+01	.18295658+00	.26085380+01	.13291148+01
.47298369+00	.16036077+01	.18176473+00	.26354310+01	.13486163+01
.47472899+00	.16041883+01	.18056504+00	.26632704+01	.13687332+01
.47647429+00	.16047795+01	.17935684+00	.26921150+01	.13895021+01
.47821958+00	.16053818+01	.17813937+00	.27220296+01	.14109639+01
.47996488+00	.16059956+01	.17691191+00	.27530849+01	.14331629+01
.48083753+00	.16063070+01	.17629414+00	.27690643+01	.14445539+01
.48171018+00	.16066216+01	.17567358+00	.27853588+01	.14561479+01
.48258283+00	.16069394+01	.17505000+00	.28019794+01	.14679518+01
.48345548+00	.16072604+01	.17442339+00	.28189375+01	.14799727+01
.48432813+00	.16075848+01	.17379360+00	.28362456+01	.14922183+01
.48520078+00	.16079127+01	.17316047+00	.28539164+01	.15046967+01
.48607343+00	.16082442+01	.17252387+00	.28719634+01	.15174161+01
.48694608+00	.16085793+01	.17188362+00	.28904012+01	.15303857+01
.48781873+00	.16089182+01	.17123968+00	.29092447+01	.15436148+01
.48869137+00	.16092610+01	.17059179+00	.29285100+01	.15571133+01
.48956402+00	.16096078+01	.16993980+00	.29482142+01	.15708919+01
.49043667+00	.16099588+01	.16928354+00	.29683751+01	.15849615+01
.49116692+00	.16102557+01	.16873094+00	.29856110+01	.15969674+01

$$.41562513-01 = \Delta S/R$$

$$.27189982+01 = P_s/P_{\infty}$$

$$.17923375+01 = \rho_s/\rho_{\infty}$$

$$.15170124+01 = T_s/T_{\infty}$$

TABLE 131. CONICAL FLOWFIELD $\theta_s = 17.5$ DEG; $M_\infty = 4.0$

u_s	M_∞	θ_s	θ_w	
.84525219+00	.39999914+01	.30543261+00	.43509833+00	
θ	M^*_1	ψ_1	x	r
.30543261+00	.16904727+01	.30543261+00	.15857974+01	.50000000+00
.30892327+00	.16904930+01	.30197979+00	.15983561+01	.51010047+00
.31241392+00	.16905523+01	.29859951+00	.16112964+01	.52043451+00
.31590458+00	.16906488+01	.29528734+00	.16246353+01	.53101263+00
.31939524+00	.16907806+01	.29203913+00	.16383912+01	.54184604+00
.32288589+00	.16909461+01	.28885100+00	.16525836+01	.55294671+00
.32637655+00	.16911440+01	.28571928+00	.16672338+01	.56432747+00
.32986721+00	.16913730+01	.28264054+00	.16823643+01	.57600201+00
.33335786+00	.16916320+01	.27961149+00	.16979994+01	.58798496+00
.33684852+00	.16919198+01	.27662903+00	.17141653+01	.60029209+00
.34033918+00	.16922357+01	.27369018+00	.17308901+01	.61294027+00
.34382983+00	.16925789+01	.27079210+00	.17482044+01	.62594772+00
.34732049+00	.16929487+01	.26793206+00	.17661410+01	.63933405+00
.35081115+00	.16933444+01	.26510739+00	.17847358+01	.65312047+00
.35430180+00	.16937656+01	.26231552+00	.18040275+01	.66732996+00
.35779246+00	.16942120+01	.25955394+00	.18240583+01	.68198738+00
.36041045+00	.16945630+01	.25750114+00	.18395939+01	.69329058+00
.36302844+00	.16949279+01	.25546297+00	.18555922+01	.70487325+00
.36564644+00	.16953066+01	.25343841+00	.18720754+01	.71674853+00
.36826443+00	.16956990+01	.25142644+00	.18890676+01	.72893043+00
.37088242+00	.16961052+01	.24942605+00	.19065946+01	.74143399+00
.37350041+00	.16965251+01	.24743623+00	.19246842+01	.75427537+00
.37611841+00	.16969588+01	.24545595+00	.19433661+01	.76747189+00
.37873640+00	.16974064+01	.24348410+00	.19626728+01	.78104225+00
.38135439+00	.16978680+01	.24151989+00	.19826391+01	.79500660+00
.38397238+00	.16983438+01	.23956199+00	.20033026+01	.80938668+00
.38659038+00	.16988339+01	.23760942+00	.20247043+01	.82420599+00
.38920837+00	.16993385+01	.23566106+00	.20468886+01	.83949004+00
.39182636+00	.16998580+01	.23371575+00	.20699039+01	.85526666+00
.39444435+00	.17003926+01	.23177230+00	.20938035+01	.87156613+00
.39706235+00	.17009427+01	.22982947+00	.21186452+01	.88842150+00
.39880767+00	.17013181+01	.22853396+00	.21357609+01	.89998501+00
.40055300+00	.17017008+01	.22723776+00	.21533439+01	.91182318+00
.40229832+00	.17020911+01	.22594050+00	.21714158+01	.92394830+00
.40404362+00	.17024893+01	.22464177+00	.21900001+01	.93637364+00
.40578892+00	.17028951+01	.22334107+00	.22091219+01	.94911335+00
.40753422+00	.17033089+01	.22203794+00	.22288079+01	.96218251+00
.40927952+00	.17037307+01	.22073182+00	.22490871+01	.97559749+00
.41102482+00	.17041607+01	.21942229+00	.22699900+01	.98937549+00
.41277011+00	.17045993+01	.21810872+00	.22915504+01	.10035354+01

TABLE 131. (Concluded)

$$M_{\infty} = .39999914+01$$

$$\Theta_s = .30543261+00$$

Θ	M_1^*	ψ_1	x	r
.41451541+00	.17050467+01	.21679062+00	.23138043+01	.10180975+01
.41626071+00	.17055031+01	.21546733+00	.23367905+01	.10330834+01
.41800601+00	.17059689+01	.21413824+00	.23605517+01	.10485170+01
.41975131+00	.17064445+01	.21280268+00	.23851335+01	.10644237+01
.42149661+00	.17069301+01	.21145993+00	.24105863+01	.10808317+01
.42324191+00	.17074261+01	.21010916+00	.24369646+01	.10977712+01
.42411456+00	.17076782+01	.20943056+00	.24505194+01	.11064506+01
.42498720+00	.17079331+01	.20874963+00	.24643284+01	.11152755+01
.42585985+00	.17081908+01	.20806628+00	.24784003+01	.11242508+01
.42673250+00	.17084515+01	.20738040+00	.24927437+01	.11333812+01
.42760515+00	.17087151+01	.20669184+00	.25073679+01	.11426718+01
.42847780+00	.17089817+01	.20600048+00	.25222826+01	.11521281+01
.42935045+00	.17092515+01	.20530619+00	.25374982+01	.11617557+01
.43022310+00	.17095245+01	.20460887+00	.25530254+01	.11715606+01
.43109575+00	.17098008+01	.20390830+00	.25688756+01	.11815490+01
.43196840+00	.17100804+01	.20320437+00	.25850608+01	.11917275+01
.43284105+00	.17103635+01	.20249690+00	.26015936+01	.12021031+01
.43371370+00	.17106502+01	.20178578+00	.26184876+01	.12126832+01
.43458635+00	.17109405+01	.20107076+00	.26357569+01	.12234755+01
.43509833+00	.17111125+01	.20064938+00	.26460694+01	.12299095+01

$$.12776150+00 = \Delta S/R$$

$$.38709522+01 = P_s/P_{\infty}$$

$$.21403684+01 = \rho_s/\rho_{\infty}$$

$$.18085449+01 = T_s/T_{\infty}$$

13 TABLE 132. CONICAL FLOWFIELD $\theta_s = 17.5$ DEG; $M_\infty = 5.0$

u_s	M_∞	θ_s	θ_w	
.87612696+00	.49999836+01	.30543261+00	.40729478+00	
θ	M_1^*	ψ_1	x	r
.30543261+00	.17522210+01	.30543261+00	.15857974+01	.50000000+00
.30892327+00	.17522421+01	.30197965+00	.16008273+01	.51008912+00
.31241392+00	.17523036+01	.29859848+00	.16163826+01	.52207732+00
.31590458+00	.17524036+01	.29528373+00	.16324916+01	.53358048+00
.31939524+00	.17525405+01	.29203122+00	.16491848+01	.54541569+00
.32288589+00	.17527125+01	.28883585+00	.16664948+01	.55760130+00
.32637655+00	.17529184+01	.28569359+00	.16844575+01	.57015734+00
.32943087+00	.17531255+01	.28298452+00	.17007410+01	.58146478+00
.33248520+00	.17533569+01	.28031044+00	.17175824+01	.59308808+00
.33553952+00	.17536121+01	.27766899+00	.17350122+01	.60504410+00
.33859385+00	.17538904+01	.27505766+00	.17530637+01	.61735112+00
.34164817+00	.17541916+01	.27247418+00	.17717727+01	.63002885+00
.34470250+00	.17545152+01	.26991628+00	.17911782+01	.64309862+00
.34773204+00	.17548102+01	.26774247+00	.18083979+01	.65463065+00
.34993848+00	.17551214+01	.26568443+00	.18261896+01	.66648392+00
.35255647+00	.17554486+01	.26344078+00	.18445844+01	.67867485+00
.35517447+00	.17557918+01	.26131018+00	.18636162+01	.69122194+00
.35779246+00	.17561510+01	.25919122+00	.18833220+01	.70414516+00
.36041045+00	.17565262+01	.25708253+00	.19037414+01	.71746594+00
.36259211+00	.17568513+01	.25533213+00	.19213339+01	.72888706+00
.36477377+00	.17571875+01	.25358708+00	.19394792+01	.74061500+00
.36695543+00	.17575351+01	.25184653+00	.19582065+01	.75266545+00
.36913709+00	.17578942+01	.25010964+00	.19775476+01	.76505538+00
.37131875+00	.17582649+01	.24837552+00	.19975364+01	.77780288+00
.37350041+00	.17586474+01	.24664329+00	.20182098+01	.79092767+00
.37524574+00	.17589620+01	.24525822+00	.20352685+01	.80171346+00
.37699107+00	.17592844+01	.24387326+00	.20528130+01	.81276605+00
.37873640+00	.17596147+01	.24248791+00	.20708672+01	.82409800+00
.38048172+00	.17599532+01	.24110166+00	.20894566+01	.83572285+00
.38222702+00	.17603005+01	.23971399+00	.21086081+01	.84765478+00
.38397232+00	.17606562+01	.23832433+00	.21283515+01	.85990952+00
.38528129+00	.17609286+01	.23728039+00	.21435664+01	.86932236+00
.38659026+00	.17612060+01	.23623470+00	.21591464+01	.87893368+00
.38789924+00	.17614883+01	.23518699+00	.21751066+01	.88875140+00
.38920821+00	.17617758+01	.23413698+00	.21914631+01	.89878396+00
.39051719+00	.17620685+01	.23308438+00	.22082331+01	.90904038+00
.39182616+00	.17623666+01	.23202886+00	.22254347+01	.91953013+00
.39269881+00	.17625684+01	.23132342+00	.22371519+01	.92665792+00
.39357146+00	.17627726+01	.23061645+00	.22490756+01	.93389710+00
.39444411+00	.17629794+01	.22990783+00	.22612122+01	.94125099+00

TABLE 132. (Concluded)

$$M_{\infty} = .49999634+01$$

$$\Theta_s = .30543261+00$$

Θ	M_1^*	ψ_1	x	r
.39531476+00	.17631007+01	.22919748+00	.22735685+01	.94872305+00
.39610941+00	.17634007+01	.22048528+00	.22861512+01	.95631687+00
.39706206+00	.17636193+01	.22777112+00	.22989677+01	.96403623+00
.39749430+00	.17637236+01	.22741326+00	.23054662+01	.96794429+00
.39793471+00	.17638326+01	.22705487+00	.23120258+01	.97188514+00
.39837103+00	.17639423+01	.22669594+00	.23186478+01	.97585945+00
.39880736+00	.17640527+01	.22633643+00	.23253333+01	.97986775+00
.39924360+00	.17641638+01	.22597634+00	.23320832+01	.98391052+00
.39968000+00	.17642757+01	.22561566+00	.23388986+01	.98798837+00
.40011633+00	.17643882+01	.22525436+00	.23457807+01	.99210185+00
.40055265+00	.17645015+01	.22489243+00	.23527306+01	.99625158+00
.40098898+00	.17646155+01	.22452986+00	.23597496+01	.10004382+01
.40142530+00	.17647302+01	.22416662+00	.23668387+01	.10046622+01
.40186163+00	.17648457+01	.22380269+00	.23739991+01	.10089243+01
.40229795+00	.17649620+01	.22343806+00	.23812324+01	.10132253+01
.40273428+00	.17650790+01	.22307269+00	.23885398+01	.10175657+01
.40317060+00	.17651969+01	.22270660+00	.23959223+01	.10219462+01
.40360693+00	.17653155+01	.22233976+00	.24033817+01	.10263675+01
.40404325+00	.17654349+01	.22197212+00	.24109190+01	.10308304+01
.40447957+00	.17655551+01	.22160371+00	.24185359+01	.10353355+01
.40491590+00	.17656761+01	.22123447+00	.24262339+01	.10398838+01
.40535222+00	.17657980+01	.22086436+00	.24340145+01	.10444759+01
.40578855+00	.17659207+01	.22049340+00	.24418792+01	.10491126+01
.40622487+00	.17660443+01	.22012158+00	.24498297+01	.10537949+01
.40666120+00	.17661687+01	.21974881+00	.24578677+01	.10585235+01
.40709752+00	.17662940+01	.21937512+00	.24659948+01	.10632994+01
.40729478+00	.17663509+01	.21920586+00	.24696989+01	.10654743+01

$$.26073551+00 = \Delta S/R$$

$$.53391268+01 = P_g/P_{\infty}$$

$$.24613743+01 = \rho_s/\rho_{\infty}$$

$$.21691650+01 = T_s/T_{\infty}$$

13 TABLE 133. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 6.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.89433881+00	.60000007+C1	.30543261+00	.39150335+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.30543261+00	.17886441+01	.30543261+00	.15857974+01	.50000000+00
.30805060+00	.17886562+01	.30283591+00	.15984254+01	.50858605+00
.31066860+00	.17886919+01	.30028004+00	.16114149+01	.51736870+00
.31328659+00	.17887503+01	.29776252+00	.16247819+01	.52635648+00
.31590458+00	.17888305+01	.29528097+00	.16385436+01	.53555856+00
.31852257+00	.17889320+01	.29283316+00	.16527181+01	.54498467+00
.32114056+00	.17890540+01	.29041694+00	.16673248+01	.55464511+00
.32375856+00	.17891959+01	.28803029+00	.16823850+01	.56455112+00
.32637655+00	.17893573+01	.28567120+00	.16979210+01	.57471449+00
.32899454+00	.17895378+01	.28333781+00	.17139569+01	.58514804+00
.33117620+00	.17897024+01	.28141161+00	.17277209+01	.59405886+00
.33335786+00	.17898798+01	.27950094+00	.17418660+01	.60317513+00
.33553952+00	.17900697+01	.27760477+00	.17564098+01	.61250698+00
.33772118+00	.17902721+01	.27572211+00	.17713705+01	.62206098+00
.33990284+00	.17904868+01	.27385196+00	.17867675+01	.63185025+00
.34208450+00	.17907137+01	.27199336+00	.18026221+01	.64188480+00
.34426617+00	.17909528+01	.27014532+00	.18189567+01	.65217630+00
.34644783+00	.17912040+01	.26830688+00	.18357952+01	.66273711+00
.34862949+00	.17914673+01	.26647707+00	.18531636+01	.67358076+00
.35081115+00	.17916867+01	.26501877+00	.18674587+01	.68246895+00
.35212014+00	.17919138+01	.26356486+00	.18821261+01	.69155523+00
.35386547+00	.17921488+01	.26211483+00	.18971820+01	.70084794+00
.35561080+00	.17923915+01	.26066816+00	.19126440+01	.71035600+00
.35735613+00	.17926422+01	.25922433+00	.19285302+01	.72008685+00
.35910146+00	.17929008+01	.25778281+00	.19448607+01	.73005664+00
.36084678+00	.17931674+01	.25634303+00	.19616565+01	.74027012+00
.36259211+00	.17934422+01	.25490446+00	.19789401+01	.75074081+00
.36433744+00	.17937252+01	.25346649+00	.19967357+01	.76148099+00
.36564644+00	.17939429+01	.25238807+00	.20104340+01	.76972092+00
.36695543+00	.17941654+01	.25130941+00	.20244468+01	.77812587+00
.36826443+00	.17943927+01	.25023024+00	.20387862+01	.78670200+00
.36957340+00	.17946254+01	.24915033+00	.20534652+01	.79545587+00
.37088238+00	.17948631+01	.24806936+00	.20684980+01	.80439465+00
.37219135+00	.17951058+01	.24698703+00	.20838991+01	.81352568+00
.37350032+00	.17953537+01	.24590304+00	.20996843+01	.82285695+00
.37480930+00	.17956067+01	.24481708+00	.21158703+01	.83239678+00
.37611827+00	.17958651+01	.24372881+00	.21324748+01	.84215413+00
.37742724+00	.17961095+01	.24300186+00	.21437862+01	.84878451+00
.37873622+00	.17962182+01	.24227363+00	.21552980+01	.85551874+00
.37873622+00	.17963985+01	.24154402+00	.21670161+01	.86235984+00

TABLE 133. (Concluded)

$$M_{\infty} = .60000007+01$$

$$\Theta_s = .30543261+00$$

Θ	M_1^*	ψ_1	x	r
.37960887+00	.17965812+01	.24081292+00	.21789470+01	.86931109+00
.38048152+00	.17967666+01	.24068021+00	.21910977+01	.87637591+00
.38135417+00	.17969545+01	.23934579+00	.22034751+01	.88355776+00
.38222682+00	.17971452+01	.23860953+00	.22160867+01	.89086041+00
.38309947+00	.17973385+01	.23787128+00	.22289403+01	.89826772+00
.38397212+00	.17975346+01	.23713093+00	.22420439+01	.90584369+00
.38440844+00	.17976337+01	.23675992+00	.22486921+01	.90967127+00
.38484477+00	.17977335+01	.23638833+00	.22554061+01	.91353264+00
.38528109+00	.17978340+01	.23601616+00	.22621871+01	.91742840+00
.38571741+00	.17979353+01	.23564336+00	.22690361+01	.92135907+00
.38615374+00	.17980373+01	.23526993+00	.22759545+01	.92532533+00
.38659006+00	.17981400+01	.23489584+00	.22829434+01	.92932775+00
.38702639+00	.17982435+01	.23452109+00	.22900041+01	.93336695+00
.38746271+00	.17983477+01	.23414564+00	.22971379+01	.93744357+00
.38789904+00	.17984527+01	.23376948+00	.23043460+01	.94155826+00
.38833536+00	.17985585+01	.23339260+00	.23116300+01	.94571173+00
.38877169+00	.17986651+01	.23301496+00	.23189911+01	.94990464+00
.38920801+00	.17987724+01	.23263653+00	.23264310+01	.95413776+00
.38964434+00	.17988806+01	.23225733+00	.23339509+01	.95841178+00
.39008066+00	.17989896+01	.23187730+00	.23415526+01	.96272749+00
.39051699+00	.17990993+01	.23149642+00	.23492376+01	.96708568+00
.39095331+00	.17992100+01	.23111468+00	.23570076+01	.97148719+00
.39138963+00	.17993214+01	.23073205+00	.23648639+01	.97593269+00
.39150335+00	.17993506+01	.23063218+00	.23669259+01	.97770985+00

$$.42698318+00 = \Delta S/R$$

$$.71264619+01 = P_s/P_{\infty}$$

$$.27386551+01 = \rho_s/\rho_{\infty}$$

$$.26021758+01 = T_s/T_{\infty}$$

TABLE 134. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 8.0$

u_s	M_∞	θ_s	θ_w	
.91361190+00	.79999771+01	.30543261+00	.37520196+00	
θ	M_1^*	ψ_1	x	r
.30543261+00	.18271895+01	.30543261+00	.15857974+01	.50000000+00
.30717794+00	.18271951+01	.30369679+00	.15954348+01	.50610170+00
.30892327+00	.18272114+01	.30197937+00	.16052772+01	.51230927+00
.31066860+00	.18272384+01	.30027946+00	.16153313+01	.51862610+00
.31241392+00	.18272757+01	.29859621+00	.16256042+01	.52505582+00
.31415925+00	.18273230+01	.29692682+00	.16361036+01	.53160225+00
.31590458+00	.18273802+01	.29527647+00	.16468372+01	.53826935+00
.31764991+00	.18274470+01	.29363840+00	.16578135+01	.54506131+00
.31939524+00	.18275234+01	.29201387+00	.16690412+01	.55198255+00
.32114056+00	.18276090+01	.29040216+00	.16805294+01	.55903770+00
.32288589+00	.18277038+01	.28880256+00	.16922881+01	.56623162+00
.32463122+00	.18278077+01	.28721437+00	.17043274+01	.57356948+00
.32637655+00	.18279204+01	.28563693+00	.17166584+01	.58105676+00
.32812188+00	.18280420+01	.28406956+00	.17292925+01	.58869913+00
.32986721+00	.18281723+01	.28251162+00	.17422419+01	.59650269+00
.33161253+00	.18283112+01	.28096246+00	.17555197+01	.60447384+00
.333292153+00	.18284210+01	.27940596+00	.17657017+01	.61056629+00
.33423053+00	.18285357+01	.27865377+00	.17760822+01	.61675986+00
.33553952+00	.18286551+01	.27750562+00	.17866676+01	.62305768+00
.33684852+00	.18287793+01	.27636124+00	.17974646+01	.62946308+00
.33815752+00	.18289082+01	.27522037+00	.18084802+01	.63597954+00
.33946651+00	.18290419+01	.27408273+00	.18197218+01	.64261063+00
.34077551+00	.18291804+01	.27294806+00	.18311972+01	.64936022+00
.34208450+00	.18293236+01	.27181609+00	.18429146+01	.65623228+00
.34339350+00	.18294716+01	.27068654+00	.18548824+01	.66323101+00
.34470250+00	.18296244+01	.26955815+00	.18671096+01	.67036078+00
.34601149+00	.18297819+01	.26843363+00	.18796059+01	.67762626+00
.34732049+00	.18299444+01	.26730969+00	.18923811+01	.68503233+00
.34862949+00	.18301116+01	.26618705+00	.19054459+01	.69258413+00
.34993848+00	.18302838+01	.26506542+00	.19188114+01	.70028707+00
.35124748+00	.18304609+01	.26394451+00	.19324896+01	.70814699+00
.35212014+00	.18305817+01	.26319748+00	.19417880+01	.71347701+00
.35299281+00	.18307047+01	.26245054+00	.19512349+01	.71888138+00
.35386547+00	.18308300+01	.26170360+00	.19608341+01	.72436199+00
.35473813+00	.18309576+01	.26095655+00	.19705892+01	.72992089+00
.35561080+00	.18310874+01	.26020931+00	.19805067+01	.73556022+00
.35648346+00	.18312197+01	.25946179+00	.19905889+01	.74128211+00
.35735610+00	.18313549+01	.25871389+00	.20008411+01	.74708879+00
.35822875+00	.18314914+01	.25796548+00	.20112687+01	.75298279+00
.35910140+00	.18316311+01	.25721648+00	.20218766+01	.75896655+00

TABLE 134. (Concluded)

$$M_{\infty} = .79999771+01$$

$$\Theta_s = .30543261+00$$

Θ	M_1^*	ψ_1	x	r
.35997405+00	.18317730+01	.25646676+00	.20326704+01	.76504270+00
.36084670+00	.18319173+01	.25571621+00	.20434555+01	.77121392+00
.36171935+00	.18320641+01	.25496473+00	.20548380+01	.77748302+00
.36259200+00	.18322134+01	.25421219+00	.20662239+01	.78385301+00
.36346465+00	.18323651+01	.25345848+00	.20778195+01	.79032680+00
.36433730+00	.18325195+01	.25270347+00	.20896319+01	.79690786+00
.36477362+00	.18325976+01	.25232544+00	.20956215+01	.80023957+00
.36520995+00	.18326764+01	.25194703+00	.21016679+01	.80359939+00
.36564627+00	.18327558+01	.25156824+00	.21077721+01	.80698769+00
.36608260+00	.18328359+01	.25118903+00	.21139351+01	.81040504+00
.36651892+00	.18329167+01	.25080941+00	.21201578+01	.81385177+00
.36695525+00	.18329981+01	.25042934+00	.21264412+01	.81732847+00
.36739157+00	.18330802+01	.25004882+00	.21327864+01	.82083558+00
.36782790+00	.18331631+01	.24966782+00	.21391944+01	.82437363+00
.36826422+00	.18332466+01	.24928632+00	.21456663+01	.82794310+00
.36870055+00	.18333308+01	.24890431+00	.21522032+01	.83154453+00
.36913687+00	.18334157+01	.24852176+00	.21588063+01	.83517852+00
.36957319+00	.18335013+01	.24813866+00	.21654767+01	.83884553+00
.37000952+00	.18335876+01	.24775499+00	.21722155+01	.84254615+00
.37044584+00	.18336746+01	.24737072+00	.21790242+01	.84628108+00
.37088217+00	.18337624+01	.24698585+00	.21859039+01	.85005079+00
.37131849+00	.18338510+01	.24660033+00	.21928560+01	.85385597+00
.37175482+00	.18339402+01	.24621417+00	.21998818+01	.85769726+00
.37219114+00	.18340302+01	.24582732+00	.22069826+01	.86157530+00
.37262747+00	.18341210+01	.24543977+00	.22141601+01	.86549079+00
.37306379+00	.18342126+01	.24505150+00	.22214154+01	.86944436+00
.37350012+00	.18343049+01	.24466249+00	.22287502+01	.87343677+00
.37393644+00	.18343980+01	.24427269+00	.22361661+01	.87746873+00
.37437277+00	.18344919+01	.24388211+00	.22436644+01	.88154098+00
.37480909+00	.18345867+01	.24349071+00	.22512470+01	.88565433+00
.37524542+00	.18346727+01	.24313756+00	.22588147+01	.88939372+00

$$.80886498+00 = \Delta S/R$$

$$.11664634+02 = P_s/P_{\infty}$$

$$.31593040+01 = \rho_s/\rho_{\infty}$$

$$.36921532+01 = T_s/T_{\infty}$$

TABLE 135. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 10.0$

u_s	M_∞	θ_s	θ_w	
.92296917+00	.99999920+01	.30543261+00	.36741930+00	
θ	M_1^*	ψ_1	x	r
.30543261+00	.18459037+01	.30543261+00	.15857974+01	.50000000+00
.30674161+00	.18459069+01	.30412898+00	.15935757+01	.50474678+00
.30805060+00	.18459163+01	.30283576+00	.16014859+01	.50955983+00
.30935960+00	.18459317+01	.30155262+00	.16095311+01	.51444081+00
.31066860+00	.18459431+01	.30027907+00	.16177152+01	.51939151+00
.31197759+00	.18459504+01	.29901476+00	.16260419+01	.52441379+00
.31328659+00	.18460134+01	.29775930+00	.16345151+01	.52950960+00
.31459558+00	.18460521+01	.29651232+00	.16431390+01	.53468094+00
.31590458+00	.18460964+01	.29527346+00	.16519178+01	.53992993+00
.31721358+00	.18461462+01	.29404237+00	.16608561+01	.54525875+00
.31852257+00	.18462014+01	.29281870+00	.16699584+01	.55066966+00
.31983157+00	.18462621+01	.29160210+00	.16792296+01	.55616501+00
.32114056+00	.18463280+01	.29039226+00	.16886748+01	.56174729+00
.32244956+00	.18463991+01	.28918884+00	.16982993+01	.56741910+00
.32375856+00	.18464755+01	.28799152+00	.17081087+01	.57318312+00
.32506755+00	.18465570+01	.28679998+00	.17181087+01	.57904211+00
.32637655+00	.18466436+01	.28561391+00	.17283056+01	.58499911+00
.32768555+00	.18467353+01	.28443298+00	.17387055+01	.59105715+00
.32899454+00	.18468320+01	.28325690+00	.17493152+01	.59721942+00
.33030354+00	.18469337+01	.28208536+00	.17601417+01	.60348931+00
.33161253+00	.18470405+01	.28091805+00	.17711925+01	.60987042+00
.33292153+00	.18471522+01	.27975466+00	.17824750+01	.61636638+00
.33423053+00	.18472689+01	.27859490+00	.17939976+01	.62298113+00
.33553952+00	.18473905+01	.27743844+00	.18057686+01	.62971869+00
.33684852+00	.18475171+01	.27628499+00	.18177971+01	.63658344+00
.33815752+00	.18476487+01	.27513423+00	.18300928+01	.64357992+00
.33946652+00	.18477839+01	.27403640+00	.18384431+01	.64831974+00
.34077551+00	.18479267+01	.27360354+00	.18469195+01	.65312164+00
.34208451+00	.18480767+01	.27283955+00	.18555254+01	.65798724+00
.34339350+00	.18482339+01	.27207633+00	.18642640+01	.66291805+00
.34470250+00	.18484023+01	.27131380+00	.18731388+01	.66791572+00
.34601149+00	.18485824+01	.27055185+00	.18821534+01	.67298204+00
.34732049+00	.18487737+01	.26979038+00	.18913116+01	.67811870+00
.34862949+00	.18489767+01	.26902931+00	.19006171+01	.68332753+00
.34993849+00	.18491920+01	.26826851+00	.19100740+01	.68861049+00
.35124749+00	.18494200+01	.26750790+00	.19196866+01	.69396953+00
.35255649+00	.18496607+01	.26674737+00	.19294693+01	.69940679+00
.35386549+00	.18499143+01	.26598682+00	.19393965+01	.70492435+00
.35517449+00	.18501817+01	.26522613+00	.19495031+01	.71052449+00
.35648349+00	.18504530+01	.26446519+00	.19597842+01	.71620961+00

TABLE 135. (Concluded)

$$M_{\infty} = .99999920+01$$

$$\Theta_s = .30543261+00$$

θ	M_1^*	ψ_1	x	r
.35124746+00	.18492428+01	.26370392+00	.19702446+01	.72198199+00
.35212011+00	.18493680+01	.26294218+00	.19808696+01	.72784414+00
.35299276+00	.18494955+01	.26217986+00	.19917253+01	.73379890+00
.35386541+00	.18496256+01	.26141682+00	.20027575+01	.73984900+00
.35473806+00	.18497581+01	.26065295+00	.20139924+01	.74599732+00
.35561071+00	.18498932+01	.25988812+00	.20254362+01	.75224684+00
.35648336+00	.18500308+01	.25912220+00	.20370959+01	.75860078+00
.35735601+00	.18501710+01	.25835606+00	.20489785+01	.76506247+00
.35822866+00	.18503137+01	.25758655+00	.20610915+01	.77163532+00
.35910131+00	.18504592+01	.25681654+00	.20734428+01	.77832310+00
.35997396+00	.18506073+01	.25604489+00	.20860406+01	.78512960+00
.36084661+00	.18507582+01	.25527142+00	.20988935+01	.79205883+00
.36171925+00	.18509119+01	.25449600+00	.21120107+01	.79911505+00
.36259190+00	.18510683+01	.25371844+00	.21254013+01	.80630259+00
.36346455+00	.18512277+01	.25293859+00	.21390760+01	.81362630+00
.36433720+00	.18513901+01	.25215627+00	.21530453+01	.82109110+00
.36520985+00	.18515554+01	.25137129+00	.21673203+01	.82870216+00
.36608250+00	.18517238+01	.25057775+00	.21819130+01	.83646502+00
.36695515+00	.18518953+01	.24977259+00	.21968362+01	.84438557+00
.36782780+00	.18520708+01	.24895594+00	.22120425+01	.85246688+00
.36870045+00	.18522503+01	.24812889+00	.22275826+01	.86070343+00
.36957310+00	.18524338+01	.24729244+00	.22434077+01	.86910063+00
.37044575+00	.18526213+01	.24644659+00	.22595688+01	.87766408+00
.37131840+00	.18528128+01	.24559134+00	.22760169+01	.88639938+00
.37219105+00	.18530083+01	.24472669+00	.22928030+01	.89531213+00
.37306370+00	.18532078+01	.24385264+00	.23100001+01	.90440883+00
.37393635+00	.18534113+01	.24296919+00	.23276502+01	.91369598+00
.37480900+00	.18536188+01	.24207634+00	.23457053+01	.92317913+00
.37568165+00	.18538303+01	.24117409+00	.23641184+01	.93286478+00
.37655430+00	.18540458+01	.24026234+00	.23828435+01	.94275853+00
.37742695+00	.18542653+01	.23934109+00	.24019336+01	.95286698+00
.37829960+00	.18544888+01	.23841034+00	.24213417+01	.96319673+00
.37917225+00	.18547163+01	.23747009+00	.24410208+01	.97375448+00
.38004490+00	.18549478+01	.23652034+00	.24609249+01	.98454673+00
.38091755+00	.18551833+01	.23556109+00	.24811080+01	.99557018+00
.38179020+00	.18554228+01	.23459234+00	.25016241+01	.10082243+00
.38266285+00	.18556663+01	.23361409+00	.25224282+01	.10621118+00
.38353550+00	.18559138+01	.23262634+00	.25435743+01	.11173513+00
.38440815+00	.18561653+01	.23162909+00	.25650164+01	.11740288+00
.38528080+00	.18564208+01	.23062234+00	.25868085+01	.12321313+00
.38615345+00	.18566803+01	.22960609+00	.26089046+01	.12917468+00
.38702610+00	.18569438+01	.22858034+00	.26313607+01	.13529613+00
.38789875+00	.18572113+01	.22754509+00	.26541308+01	.14158618+00
.38877140+00	.18574828+01	.22650034+00	.26772689+01	.14805343+00
.38964405+00	.18577583+01	.22544609+00	.27007290+01	.15469648+00
.39051670+00	.18580378+01	.22438234+00	.27245641+01	.16152493+00
.39138935+00	.18583213+01	.22330909+00	.27487282+01	.16854838+00
.39226200+00	.18586088+01	.22222634+00	.27732663+01	.17577643+00
.39313465+00	.18589003+01	.22113409+00	.27981344+01	.18321868+00
.39400730+00	.18591958+01	.22003234+00	.28232965+01	.19088473+00
.39488000+00	.18594953+01	.21892109+00	.28487166+01	.19878428+00
.39575265+00	.18597988+01	.21779934+00	.28743587+01	.20692713+00
.39662530+00	.18601063+01	.21666809+00	.29002868+01	.21532218+00
.39749795+00	.18604178+01	.21552734+00	.29264749+01	.22397893+00
.39837060+00	.18607333+01	.21437709+00	.29529670+01	.23290698+00
.39924325+00	.18610528+01	.21321734+00	.29797281+01	.24212593+00
.40011590+00	.18613763+01	.21204809+00	.30068242+01	.25164548+00
.40098855+00	.18617038+01	.21086934+00	.30342203+01	.26147613+00
.40186120+00	.18620353+01	.20968109+00	.30619704+01	.27162848+00
.40273385+00	.18623708+01	.20848334+00	.30899385+01	.28211293+00
.40360650+00	.18627103+01	.20727609+00	.31181806+01	.29294018+00
.40447915+00	.18630538+01	.20605934+00	.31467527+01	.30412193+00
.40535180+00	.18634013+01	.20483309+00	.31756208+01	.31566968+00
.40622445+00	.18637528+01	.20359734+00	.32048409+01	.32759593+00
.40709710+00	.18641083+01	.20235209+00	.32343790+01	.33991218+00
.40796975+00	.18644678+01	.20109734+00	.32642911+01	.35262993+00
.40884240+00	.18648313+01	.19983309+00	.32945432+01	.36575968+00
.40971505+00	.18651988+01	.19855934+00	.33251013+01	.37931393+00
.41058770+00	.18655703+01	.19727609+00	.33559304+01	.39330418+00
.41146035+00	.18659458+01	.19598334+00	.33870065+01	.40774293+00
.41233300+00	.18663253+01	.19468109+00	.34183946+01	.42264268+00
.41320565+00	.18667088+01	.19336934+00	.34500607+01	.43801693+00
.41407830+00	.18670963+01	.19204809+00	.34820008+01	.45387118+00
.41495095+00	.18674878+01	.19071734+00	.35142909+01	.47022093+00
.41582360+00	.18678833+01	.18937709+00	.35469070+01	.48708168+00
.41669625+00	.18682828+01	.18802734+00	.35798241+01	.50445993+00
.41756890+00	.18686863+01	.18666809+00	.36130162+01	.52237118+00
.41844155+00	.18690938+01	.18529934+00	.36464583+01	.54083193+00
.41931420+00	.18695053+01	.18392109+00	.36801264+01	.55985868+00
.42018685+00	.18699208+01	.18253334+00	.37140945+01	.57946693+00
.42105950+00	.18703403+01	.18113609+00	.37483366+01	.59967218+00
.42193215+00	.18707638+01	.17972934+00	.37828287+01	.62049193+00
.42280480+00	.18711913+01	.17831309+00	.38175468+01	.64194268+00
.42367745+00	.18716228+01	.17688734+00	.38524649+01	.66404193+00
.42455010+00	.18720583+01	.17545209+00	.38875670+01	.68680618+00
.42542275+00	.18724978+01	.17400734+00	.39228381+01	.71025193+00
.42629540+00	.18729413+01	.17255309+00	.39582642+01	.73439568+00
.42716805+00	.18733888+01	.17108934+00	.39938303+01	.75925493+00
.42804070+00	.18738403+01	.16961609+00	.40295204+01	.78484618+00
.42891335+00	.18742958+01	.16813334+00	.40654185+01	.81118693+00
.42978600+00	.18747553+01	.16664109+00	.41015106+01	.83829468+00
.43065865+00	.18752188+01	.16513934+00	.41378827+01	.86618593+00
.43153130+00	.18756863+01	.16362809+00	.41745108+01	.89487818+00
.43240395+00	.18761578+01	.16210734+00	.42113809+01	.92438893+00
.43327660+00	.18766333+01	.16057709+00	.42484890+01	.95473568+00
.43414925+00	.18771128+01	.15903734+00	.42858211+01	.98593693+00
.43502190+00	.18775963+01	.15748809+00	.43233632+01	.10186518+00
.43589455+00	.18780838+01	.15592934+00	.43611103+01	.10803643+00
.43676720+00	.18785753+01	.15436109+00	.43990584+01	.11446568+00
.43763985+00	.18790708+01	.15278334+00	.44372025+01	.12116893+00
.43851250+00	.18795703+01	.15119609+00	.44755386+01	.12815218+00
.43938515+00	.18800738+01	.14959934+00	.45140607+01	.13543193+00
.44025780+00	.18805813+01	.14799309+00	.45527648+01	.14302468+00
.44113045+00	.18810928+01	.14637734+00	.45916369+01	.15094693+00
.44200310+00	.18816083+01	.14475209+00	.46306730+01	.15920518+00
.44287575+00	.18821278+01	.14311734+00	.46698701+01	.16781593+00
.44374840+00	.18826513+01	.14147309+00	.47092242+01	.17679568+00
.44462105+00	.18831788+01	.13981934+00	.47487323+01	.18615193+00
.44549370+00	.18837103+01	.13815609+00	.47883904+01	.19589268+00
.44636635+00	.18842458+01	.13648334+00	.48281945+01	.20602693+00
.44723900+00	.18847853+01	.13480109+00	.48681406+01	.21656318+00
.44811165+00	.18853288+01	.13310934+00	.49082347+01	.22751093+00
.44898430+00	.18858763+01	.13140809+00	.49484728+01	.23888068+00
.44985695+00	.18864278+01	.12969734+00	.49888509+01	.25068293+00
.45072960+00	.18869833+01	.12797709+00	.50293750+01	.26292818+00
.45160225+00	.18875428+01	.12624734+00	.50700421+01	.27562893+00
.45247490+00	.18881063+01	.12450809+00	.51108502+01	.28879668+00
.45334755+00	.18886738+01	.12275934+00	.51518043+01	.30244393+00
.45422020+00	.18892453+01	.12100109+00	.51929104+01	.31658418+00
.45509285+00	.18898208+01	.11923334+00	.52341645+01	.33123293+00
.45596550+00	.18903993+01	.11745609+00	.52755626+01	.34640468+00
.45683815+00	.18909818+01	.11566934+00	.53171007+01	.36211593+00
.45771080+00	.18915683+01	.11387309+00	.53587848+01	.37838368+00
.45858345+00	.18921588+01	.11206734+00	.54006109+01	.39522493+00
.45945610+00	.18927533+01	.11025209+00	.54425850+01	.41265618+00
.46032875+00	.18933518+01	.10842734+00	.54847041+01	.43069393+00
.46120140+00	.18939543+01	.10659309+00	.55269642+01	.44935468+00
.46207405+00	.18945618+01	.10474934+00	.55693623+01	.46865593+00
.46294670+00	.18951743+01	.10289609+00	.56119044+01	.48861518+00
.46381935+00	.18957918+01	.10103334+00	.56545965+01	.50925093+00
.46469200+00	.18964143+01	.99147109+00	.56974346+01	.53059068+00
.46556465+00	.18970418+01	.97240834+00	.57404227+01	.55265293+00
.46643730+00	.18976743+01	.95324509+00	.57835668+01	.57545618+00
.46731000+00	.18983118+01	.93398134+00	.58268629+01	.59892093+00
.46818265+00	.18989543+01	.91461709+00	.58703070+01	.62307268+00
.46905530+00	.18996018+01	.89515234+00	.59139051+01	.64793893+00
.46992795+00	.19002543+01	.87558809+00	.59576542+01	.67353718+00
.47080060+00	.19009118+01	.85592334+00	.60015503+01	.70000093+00
.47167325+00	.19015743+01	.83615809+00	.60456004+01	.72725668+00
.47254590+00	.19022418+01	.81629234+00	.60898005+01	.75533193+00
.47341855+00	.19029143+01	.79632609+00	.61341506+01	.78425468+00
.47429120+00	.19035918+01	.77625934+00	.61786547+01	.81405293+00
.47516385+00	.19042743+01	.75609234+00	.62233188+01	

/ TABLE 136. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 12.5$

u_s	M_∞	θ_s	θ_w	
.92911460+00	.12500005+02	.30543261+00	.36234947+00	
θ	M_1^*	ψ_1	x	r
.30543261+00	.18581944+01	.30543261+00	.15857974+01	.50000000+00
.30674161+00	.18581975+01	.30412897+00	.15940058+01	.50488300+00
.30805060+00	.18582069+01	.30283574+00	.16023600+01	.50983796+00
.30935960+00	.18582225+01	.30155248+00	.16108637+01	.51486674+00
.31066860+00	.18582440+01	.30027876+00	.16195215+01	.51997144+00
.31197759+00	.18582715+01	.29901416+00	.16283377+01	.52515420+00
.31328659+00	.18583048+01	.29775827+00	.16373168+01	.53041723+00
.31459558+00	.18583438+01	.29651069+00	.16464639+01	.53576287+00
.31590458+00	.18583884+01	.29527105+00	.16557839+01	.54119355+00
.31721358+00	.18584386+01	.29403896+00	.16652821+01	.54671182+00
.31852257+00	.18584942+01	.29281404+00	.16749640+01	.55232026+00
.31983157+00	.18585553+01	.29159695+00	.16848354+01	.55802166+00
.32114056+00	.18586218+01	.29038431+00	.16949023+01	.56381892+00
.32244956+00	.18586936+01	.28917878+00	.17051711+01	.56971505+00
.32375856+00	.18587706+01	.28797901+00	.17156485+01	.57571320+00
.32506755+00	.18588529+01	.28678465+00	.17263414+01	.58181671+00
.32637655+00	.18589403+01	.28559536+00	.17372572+01	.58802906+00
.32768555+00	.18590330+01	.28441081+00	.17484035+01	.59435388+00
.32899454+00	.18591307+01	.28323065+00	.17597883+01	.60079496+00
.33030354+00	.18592336+01	.28205455+00	.17714205+01	.60735640+00
.33161253+00	.18593416+01	.28088218+00	.17833087+01	.61404236+00
.33248520+00	.18594164+01	.28010249+00	.17913812+01	.61857110+00
.33335786+00	.18594935+01	.27932421+00	.17995745+01	.62315849+00
.33423053+00	.18595728+01	.27854724+00	.18078920+01	.62780607+00
.33510319+00	.18596545+01	.27777147+00	.18163364+01	.63251520+00
.33597586+00	.18597384+01	.27699680+00	.18249114+01	.63728752+00
.33684852+00	.18598245+01	.27622313+00	.18336201+01	.64212457+00
.33772118+00	.18599130+01	.27545035+00	.18424662+01	.64702800+00
.33859385+00	.18600037+01	.27467837+00	.18514532+01	.65199953+00
.33946651+00	.18600967+01	.27390708+00	.18605849+01	.65704091+00
.34033918+00	.18601920+01	.27313636+00	.18698655+01	.66215403+00
.34121184+00	.18602897+01	.27236611+00	.18792990+01	.66734084+00
.34208450+00	.18603896+01	.27159623+00	.18888896+01	.67260326+00
.34295717+00	.18604919+01	.27082661+00	.18986420+01	.67794348+00
.34382983+00	.18605966+01	.27005712+00	.19085606+01	.68336356+00
.34470250+00	.18607036+01	.26928766+00	.19186502+01	.68886574+00
.34557516+00	.18608129+01	.26851811+00	.19289162+01	.69445249+00
.34644783+00	.18609248+01	.26774835+00	.19393636+01	.70012616+00
.34732048+00	.18610392+01	.26697827+00	.19499980+01	.70588934+00
.34819313+00	.18611562+01	.26620774+00	.19608251+01	.71174463+00

TABLE 136. (Concluded)

$$M_{\infty} = .12500005+02$$

$$\Theta_s = .30543261+00$$

Θ	M_1^*	ψ_1	x	r
.34906578+00	.18612757+01	.26543664+00	.19718512+01	.71769499+00
.34950211+00	.18613364+01	.26505083+00	.19774408+01	.72070669+00
.34993843+00	.18613977+01	.26466483+00	.19830825+01	.72374324+00
.35037475+00	.18614596+01	.26427861+00	.19887771+01	.72680505+00
.35081108+00	.18615222+01	.26389216+00	.19945256+01	.72969249+00
.35124740+00	.18615854+01	.26350547+00	.20003287+01	.73300596+00
.35168373+00	.18616492+01	.26311852+00	.20061873+01	.73614586+00
.35212005+00	.18617137+01	.26273129+00	.20121026+01	.73931269+00
.35255638+00	.18617789+01	.26234376+00	.20180752+01	.74250679+00
.35299270+00	.18618447+01	.26195591+00	.20241063+01	.74572868+00
.35342903+00	.18619112+01	.26156772+00	.20301969+01	.74897884+00
.35386535+00	.18619783+01	.26117919+00	.20363478+01	.75225762+00
.35430168+00	.18620461+01	.26079027+00	.20425602+01	.75556559+00
.35473800+00	.18621145+01	.26040097+00	.20488351+01	.75890318+00
.35517433+00	.18621837+01	.26001125+00	.20551730+01	.76227102+00
.35561065+00	.18622536+01	.25962110+00	.20615773+01	.76566949+00
.35604697+00	.18623241+01	.25923049+00	.20680466+01	.76909917+00
.35648330+00	.18623953+01	.25883941+00	.20745831+01	.77256063+00
.35691962+00	.18624672+01	.25844784+00	.20811879+01	.77605440+00
.35735595+00	.18625399+01	.25805575+00	.20878623+01	.77958105+00
.35779227+00	.18626132+01	.25766313+00	.20946077+01	.78314117+00
.35822860+00	.18626873+01	.25726994+00	.21014251+01	.78673536+00
.35866492+00	.18627621+01	.25687616+00	.21083161+01	.79036423+00
.35910125+00	.18628376+01	.25648178+00	.21152822+01	.79402854+00
.35953757+00	.18629139+01	.25608677+00	.21223245+01	.79772871+00
.35997390+00	.18629909+01	.25569110+00	.21294447+01	.80146559+00
.36041022+00	.18630687+01	.25529475+00	.21366443+01	.80523983+00
.36084655+00	.18631473+01	.25489769+00	.21439248+01	.80905212+00
.36128287+00	.18632266+01	.25449990+00	.21512879+01	.81290326+00
.36171919+00	.18633067+01	.25410135+00	.21587352+01	.81679394+00
.36215552+00	.18633876+01	.25370202+00	.21662686+01	.82072499+00
.36234947+00	.18634238+01	.25352425+00	.21696452+01	.82248551+00

$$.16748677+01 = \Delta S/R$$

$$.26594169+02 = P_s/P_{\infty}$$

$$.36634622+01 = \rho_s/\rho_{\infty}$$

$$.72592995+01 = T_s/T_{\infty}$$

TABLE 137. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 15.0$

u_s	M_∞	θ_s	θ_w	
.93250632+00	.14999980+02	.30543261+00	.35956438+00	
θ	M^*_1	ψ_1	x	r
.30543261+00	.18649777+01	.30543261+00	.15857974+01	.50000000+00
.30674161+00	.18649809+01	.30412897+00	.15942666+01	.50496560+00
.30805060+00	.18649903+01	.30283572+00	.16028903+01	.51000669+00
.30935960+00	.18650059+01	.30155240+00	.16116729+01	.51512536+00
.31066860+00	.18650276+01	.30027856+00	.16206190+01	.52032381+00
.31197759+00	.18650552+01	.29901378+00	.16297335+01	.52560437+00
.31328659+00	.18650886+01	.29775761+00	.16390216+01	.53096951+00
.31459558+00	.18651277+01	.29650967+00	.16484885+01	.53642169+00
.31590458+00	.18651725+01	.29526953+00	.16581399+01	.54196361+00
.31721358+00	.18652229+01	.29403681+00	.16679815+01	.54759803+00
.31852257+00	.18652748+01	.29281111+00	.16780194+01	.55332778+00
.31983157+00	.18653402+01	.29159206+00	.16882600+01	.55915569+00
.32114056+00	.18654070+01	.29037929+00	.16987100+01	.56508556+00
.32244956+00	.18654791+01	.28917243+00	.17093765+01	.57112010+00
.32375856+00	.18655565+01	.28797110+00	.17202669+01	.57726298+00
.32506755+00	.18656393+01	.28677496+00	.17313889+01	.58351782+00
.32637655+00	.18657272+01	.28558363+00	.17427507+01	.58988851+00
.32768555+00	.18658204+01	.28439678+00	.17543609+01	.59637904+00
.32899454+00	.18659187+01	.28321402+00	.17662286+01	.60299367+00
.33030354+00	.18660223+01	.28203503+00	.17783634+01	.60973689+00
.33161253+00	.18661310+01	.28085942+00	.17907753+01	.61661334+00
.33248520+00	.18662064+01	.28007740+00	.17992092+01	.62127414+00
.33335786+00	.18662840+01	.27929662+00	.18077742+01	.62599789+00
.33423053+00	.18663640+01	.27851697+00	.18164740+01	.63078624+00
.33510319+00	.18664463+01	.27773836+00	.18253119+01	.63564079+00
.33597586+00	.18665308+01	.27696066+00	.18342918+01	.64056331+00
.33684852+00	.18666177+01	.27618378+00	.18434174+01	.64555554+00
.33772118+00	.18667069+01	.27540759+00	.18526928+01	.65061934+00
.33859385+00	.18667985+01	.27463200+00	.18621222+01	.65575667+00
.33946651+00	.18668924+01	.27385687+00	.18717099+01	.66096954+00
.34033918+00	.18669886+01	.27308210+00	.18814606+01	.66626006+00
.34121184+00	.18670872+01	.27230758+00	.18913788+01	.67163038+00
.34208450+00	.18671882+01	.27153318+00	.19014694+01	.67708272+00
.34295717+00	.18672917+01	.27075878+00	.19117379+01	.68261960+00
.34382983+00	.18673975+01	.26998426+00	.19221893+01	.68824335+00
.34470250+00	.18675057+01	.26920950+00	.19328293+01	.69395657+00
.34557515+00	.18676168+01	.26843438+00	.19436637+01	.69976188+00
.34644780+00	.18677303+01	.26765875+00	.19546988+01	.70566224+00
.34732044+00	.18678464+01	.26688249+00	.19659412+01	.71166059+00
.34819309+00	.18679650+01	.26610545+00	.19773973+01	.71775996+00

TABLE 137. (Concluded)

$$M_{\infty} = .14999980+02$$

$$\Theta_s = .30543261+00$$

Θ	M_1^*	ψ_1	x	r
.34906574+00	.18680861+01	.26532749+00	.19890743+01	.72396360+00
.34950207+00	.18681476+01	.26493812+00	.19949981+01	.72710562+00
.34993839+00	.18682098+01	.26454847+00	.20009797+01	.73027490+00
.35037472+00	.18682727+01	.26415851+00	.20070205+01	.73347206+00
.35081104+00	.18683362+01	.26376823+00	.20131212+01	.73669744+00
.35124737+00	.18684004+01	.26337761+00	.20192831+01	.73995159+00
.35168369+00	.18684652+01	.26298663+00	.20255072+01	.74323495+00
.35212002+00	.18685307+01	.26259526+00	.20317945+01	.74654804+00
.35255634+00	.18685969+01	.26220349+00	.20381460+01	.74989133+00
.35299267+00	.18686638+01	.26181130+00	.20445633+01	.75326544+00
.35342899+00	.18687314+01	.26141867+00	.20510471+01	.75667078+00
.35386531+00	.18687997+01	.26102557+00	.20575989+01	.76010802+00
.35430164+00	.18688687+01	.26063199+00	.20642198+01	.76357762+00
.35473796+00	.18689383+01	.26023789+00	.20709113+01	.76708028+00
.35517429+00	.18690087+01	.25984327+00	.20776744+01	.77061646+00
.35561061+00	.18690799+01	.25944809+00	.20845106+01	.77418682+00
.35604694+00	.18691517+01	.25905232+00	.20914213+01	.77779204+00
.35648326+00	.18692243+01	.25865596+00	.20984080+01	.78143276+00
.35691959+00	.18692976+01	.25825896+00	.21054718+01	.78510954+00
.35735591+00	.18693717+01	.25786132+00	.21126147+01	.78882316+00
.35779224+00	.18694465+01	.25746300+00	.21198380+01	.79257431+00
.35822856+00	.18695221+01	.25706397+00	.21271435+01	.79636376+00
.35866489+00	.18695985+01	.25666422+00	.21345325+01	.80019212+00
.35910121+00	.18696757+01	.25626370+00	.21420069+01	.80406025+00
.35953753+00	.18697536+01	.25586240+00	.21495684+01	.80796892+00
.35956438+00	.18697584+01	.25583768+00	.21500366+01	.80821080+00

$$.21044276+01 = \Delta S/R$$

$$.37716260+02 = P_s/P_{\infty}$$

$$.38046156+01 = \rho_s/\rho_{\infty}$$

$$.99132911+01 = T_s/T_{\infty}$$

/ TABLE 138. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 17.5$

u_s	M_∞	θ_s	θ_w	
.93457019+00	.17499994+02	.30543261+00	.3578740+00	
θ	M_1^*	ψ_1	x	r
.30543261+00	.18691053+01	.30543261+00	.15857974+01	.50000000+00
.30674161+00	.18691085+01	.30912897+00	.15944346+01	.50501882+00
.30805060+00	.18691180+01	.30283570+00	.16032322+01	.51011548+00
.30935960+00	.18691336+01	.30155234+00	.16121947+01	.51529214+00
.31066860+00	.18691553+01	.30027844+00	.16213271+01	.52055117+00
.31197759+00	.18691829+01	.29901353+00	.16306346+01	.52589498+00
.31328659+00	.18692164+01	.29775719+00	.16401226+01	.53132619+00
.31459558+00	.18692557+01	.29650899+00	.16497967+01	.53684738+00
.31590458+00	.18693006+01	.29526852+00	.16596628+01	.54246140+00
.31721358+00	.18693511+01	.29403539+00	.16697272+01	.54817114+00
.31852257+00	.18694072+01	.29280917+00	.16799863+01	.55397967+00
.31983157+00	.18694687+01	.29158950+00	.16904769+01	.55989015+00
.32114056+00	.18695357+01	.29037598+00	.17011762+01	.56590597+00
.32244956+00	.18696081+01	.28916823+00	.17121018+01	.57203066+00
.32375856+00	.18696858+01	.28796588+00	.17232615+01	.57826786+00
.32506755+00	.18697688+01	.28676855+00	.17346636+01	.58462150+00
.32637655+00	.18698570+01	.28557588+00	.17463170+01	.59109566+00
.32768555+00	.18699505+01	.28438749+00	.17582309+01	.59769461+00
.32899454+00	.18700493+01	.28320302+00	.17704150+01	.60442292+00
.33030354+00	.18701533+01	.28202210+00	.17828796+01	.61128531+00
.33161253+00	.18702625+01	.28084436+00	.17956356+01	.61828686+00
.33292152+00	.18703782+01	.28006078+00	.18043071+01	.62303448+00
.33335786+00	.18704162+01	.27927834+00	.18131166+01	.62784791+00
.33423053+00	.18704965+01	.27849692+00	.18220684+01	.63272896+00
.33510319+00	.18705792+01	.27771641+00	.18311658+01	.63767933+00
.33597586+00	.18706642+01	.27693670+00	.18404129+01	.64270090+00
.33684852+00	.18707516+01	.27615768+00	.18498140+01	.64777956+00
.33772118+00	.18708413+01	.27537921+00	.18593734+01	.65296540+00
.33859385+00	.18709334+01	.27460121+00	.18690957+01	.65821245+00
.33946651+00	.18710279+01	.27382353+00	.18789855+01	.66353883+00
.34033918+00	.18711247+01	.27304605+00	.18890480+01	.66894693+00
.34121184+00	.18712240+01	.27226867+00	.18992882+01	.67443903+00
.34208450+00	.18713256+01	.27149124+00	.19097115+01	.68001759+00
.34295717+00	.18714298+01	.27071365+00	.19203235+01	.68568524+00
.34382983+00	.18715365+01	.26993576+00	.19311301+01	.69144459+00
.34470247+00	.18716459+01	.26915746+00	.19421372+01	.69729840+00
.34557512+00	.18717579+01	.26837859+00	.19533518+01	.70324977+00
.34644777+00	.18718723+01	.26759901+00	.19647803+01	.70930169+00
.34732042+00	.18719893+01	.26681858+00	.19764301+01	.71545748+00
.34819307+00	.18721089+01	.26603715+00	.19883084+01	.72172043+00

TABLE 138. (Concluded)

$$M_{\infty} = .17499994+02$$

$$\Theta_s = .30543261+00$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.34906572+00	.18722312+01	.26525458+00	.20004230+01	.72809413+00
.34950205+00	.18722933+01	.26486200+00	.20065715+01	.73132366+00
.34993837+00	.18723561+01	.26447069+00	.20127822+01	.73458227+00
.35037469+00	.18724195+01	.26407820+00	.20190563+01	.73787052+00
.35081102+00	.18724837+01	.26368533+00	.20253949+01	.74118889+00
.35124734+00	.18725485+01	.26329205+00	.20317990+01	.74453788+00
.35168367+00	.18726140+01	.26289834+00	.20382698+01	.74791799+00
.35211999+00	.18726802+01	.26250418+00	.20448087+01	.75132985+00
.35255632+00	.18727471+01	.26210955+00	.20514169+01	.75477401+00
.35299264+00	.18728147+01	.26171442+00	.20580956+01	.75825101+00
.35342897+00	.18728830+01	.26131876+00	.20648461+01	.76176144+00
.35386529+00	.18729520+01	.26092257+00	.20716698+01	.76530595+00
.35430162+00	.18730218+01	.26052581+00	.20785680+01	.76888512+00
.35473794+00	.18730923+01	.26012845+00	.20855424+01	.77249969+00
.35517427+00	.18731634+01	.25973048+00	.20925943+01	.77615026+00
.35561059+00	.18732355+01	.25933187+00	.20997252+01	.77983748+00
.35604692+00	.18733083+01	.25893260+00	.21069367+01	.78356212+00
.35648324+00	.18733817+01	.25853263+00	.21142303+01	.78732485+00
.35691956+00	.18734560+01	.25813194+00	.21216078+01	.79112641+00
.35735589+00	.18735311+01	.25773051+00	.21290709+01	.79496764+00
.35779221+00	.18736069+01	.25732829+00	.21366215+01	.79884934+00
.35822854+00	.18736832+01	.25692521+00	.21442644+01	.80277142+00

$$.24924718+01 = \Delta S/R$$

$$.50859730+02 = P_s/P_{\infty}$$

$$.38976630+01 = \rho_s/\rho_{\infty}$$

$$.13048776+02 = T_s/T_{\infty}$$

TABLE 139. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 20.0$

u_s	M_∞	θ_s	θ_w	
.93591746+00	.19999967+02	.30543261+00	.35677233+00	
θ	M^*_1	ψ_1	x	r
.30543261+00	.18717998+01	.30543261+00	.15857974+01	.50000000+00
.30630527+00	.18718013+01	.30456234+00	.15916134+01	.50336121+00
.30717794+00	.18718055+01	.30369674+00	.15975018+01	.50675739+00
.30805060+00	.18718125+01	.30283569+00	.16034639+01	.51018921+00
.30892327+00	.18718223+01	.30197903+00	.16095012+01	.51365732+00
.30979593+00	.18718348+01	.30112663+00	.16156151+01	.51716243+00
.31066860+00	.18718499+01	.30027835+00	.16218073+01	.52070532+00
.31154126+00	.18718677+01	.29943405+00	.16280793+01	.52428671+00
.31241392+00	.18718881+01	.29859361+00	.16344328+01	.52790737+00
.31328659+00	.18719111+01	.29775669+00	.16408695+01	.53156813+00
.31415925+00	.18719367+01	.29692378+00	.16473911+01	.53526980+00
.31503192+00	.18719648+01	.29609413+00	.16539996+01	.53901324+00
.31590458+00	.18719954+01	.29526784+00	.16606966+01	.54279927+00
.31677724+00	.18720285+01	.29444677+00	.16674842+01	.54662889+00
.31764991+00	.18720641+01	.29362481+00	.16743644+01	.55050296+00
.31852257+00	.18721022+01	.29280764+00	.16813392+01	.55442249+00
.31939524+00	.18721427+01	.29199374+00	.16884107+01	.55838842+00
.32026790+00	.18721856+01	.29118240+00	.16955812+01	.56240180+00
.32114056+00	.18722307+01	.29037369+00	.17028528+01	.56646369+00
.32201323+00	.18722787+01	.28956752+00	.17102280+01	.57057517+00
.32288589+00	.18723288+01	.28876375+00	.17177091+01	.57473739+00
.32375856+00	.18723813+01	.28796228+00	.17252988+01	.57895151+00
.32463122+00	.18724362+01	.28716300+00	.17329995+01	.58321872+00
.32550389+00	.18724934+01	.28636579+00	.17408140+01	.58754031+00
.32637655+00	.18725529+01	.28557054+00	.17487452+01	.59191754+00
.32724921+00	.18726148+01	.28477714+00	.17567958+01	.59635178+00
.32812188+00	.18726791+01	.28398548+00	.17649690+01	.60084441+00
.32899454+00	.18727457+01	.28319544+00	.17732677+01	.60539684+00
.32986721+00	.18728146+01	.28240692+00	.17816952+01	.61001058+00
.33073987+00	.18728859+01	.28161980+00	.17902550+01	.61468720+00
.33161253+00	.18729594+01	.28083397+00	.17989504+01	.61942825+00
.33248520+00	.18730354+01	.28004932+00	.18077852+01	.62423546+00
.33335786+00	.18731136+01	.27926572+00	.18167629+01	.62911050+00
.33423053+00	.18731943+01	.27848308+00	.18258877+01	.63405524+00
.33510319+00	.18732772+01	.27770126+00	.18351635+01	.63907150+00
.33597586+00	.18733625+01	.27692016+00	.18445947+01	.64416125+00
.33684852+00	.18734502+01	.27613965+00	.18541856+01	.64932650+00
.33772118+00	.18735403+01	.27535962+00	.18639408+01	.65456935+00
.33859385+00	.18736327+01	.27457993+00	.18738652+01	.65989203+00
.33946651+00	.18737275+01	.27380048+00	.18839636+01	.66529678+00

TABLE 139. (Concluded)

$$M_{\infty} = .19999967+02$$

$$\Theta_s = .30543261+00$$

Θ	M_1^*	ψ_1	x	r
.34033918+00	.18738248+01	.27302113+00	.18942415+01	.67078604+00
.34121184+00	.18739245+01	.27224176+00	.19047042+01	.67636223+00
.34206450+00	.18740266+01	.27146224+00	.19153574+01	.68202800+00
.34295717+00	.18741312+01	.27068242+00	.19262073+01	.68778617+00
.34382982+00	.18742387+01	.26990220+00	.19372599+01	.69363938+00
.34470247+00	.18743487+01	.26912142+00	.19485220+01	.69959076+00
.34557512+00	.18744612+01	.26833994+00	.19600004+01	.70564341+00
.34644777+00	.18745763+01	.26755761+00	.19717023+01	.71180055+00
.34732042+00	.18746939+01	.26677427+00	.19836353+01	.71806572+00
.34775674+00	.18747538+01	.26638218+00	.19896909+01	.72123989+00
.34819306+00	.18748143+01	.26598978+00	.19958073+01	.72444240+00
.34862939+00	.18748754+01	.26559706+00	.20019856+01	.72767379+00
.34906571+00	.18749373+01	.26520398+00	.20082269+01	.73093449+00
.34950204+00	.18749997+01	.26481053+00	.20145321+01	.73422501+00
.34993836+00	.18750629+01	.26441669+00	.20209026+01	.73754588+00
.35037469+00	.18751268+01	.26402244+00	.20273395+01	.74089762+00
.35081101+00	.18751914+01	.26362776+00	.20338441+01	.74428085+00
.35124734+00	.18752566+01	.26323263+00	.20404174+01	.74769602+00
.35168366+00	.18753226+01	.26283701+00	.20470609+01	.75114376+00
.35211999+00	.18753893+01	.26244089+00	.20537757+01	.75462461+00
.35255631+00	.18754566+01	.26204424+00	.20605634+01	.75813922+00
.35299264+00	.18755248+01	.26164705+00	.20674252+01	.76168822+00
.35342896+00	.18755936+01	.26124927+00	.20743625+01	.76527223+00
.35386528+00	.18756632+01	.26085091+00	.20813768+01	.76889186+00
.35430161+00	.18757335+01	.26045192+00	.20884697+01	.77254786+00
.35473793+00	.18758046+01	.26005228+00	.20956426+01	.77624086+00
.35517426+00	.18758764+01	.25965197+00	.21028974+01	.77997169+00
.35561058+00	.18759490+01	.25925095+00	.21102353+01	.78374093+00
.35604691+00	.18760223+01	.25884921+00	.21176584+01	.78754945+00
.35648323+00	.18760965+01	.25844670+00	.21251682+01	.79139801+00
.35691956+00	.18761716+01	.25804349+00	.21327648+01	.79528674+00

$$.28431888+01 = \Delta S/R$$

$$.66024217+02 = P_g/P_{\infty}$$

$$.39618200+01 = \rho_g/\rho_{\infty}$$

$$.16665964+02 = T_g/T_{\infty}$$

TABLE 140. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 22.5$

u_s	M_∞	θ_s	θ_w	
.93684453+00	.22499943+02	.30543261+00	.35601492+00	
θ	M^*_1	ψ_1	x	r
.30543261+00	.18736539+01	.30543261+00	.15857974+01	.50000000+00
.30630527+00	.18736553+01	.30456234+00	.15916666+01	.50337803+00
.30717794+00	.18736596+01	.30369674+00	.15976095+01	.50679157+00
.30805060+00	.18736666+01	.30283568+00	.16036274+01	.51024123+00
.30892327+00	.18736764+01	.30197901+00	.16097218+01	.51372774+00
.30979593+00	.18736889+01	.30112659+00	.16158943+01	.51725180+00
.31066860+00	.18737040+01	.30027828+00	.16221463+01	.52081418+00
.31154126+00	.18737219+01	.29943395+00	.16284796+01	.52441567+00
.31241392+00	.18737423+01	.29859346+00	.16348961+01	.52805703+00
.31328659+00	.18737653+01	.29775668+00	.16413972+01	.53173910+00
.31415925+00	.18737909+01	.29692349+00	.16479850+01	.53546274+00
.31503192+00	.18738191+01	.29609375+00	.16546610+01	.53922880+00
.31590458+00	.18738497+01	.29526734+00	.16614275+01	.54303816+00
.31677724+00	.18738829+01	.29444414+00	.16682862+01	.54689181+00
.31764991+00	.18739185+01	.29362403+00	.16752393+01	.55079063+00
.31852257+00	.18739566+01	.29280689+00	.16822890+01	.55473568+00
.31939524+00	.18739972+01	.29199259+00	.16894372+01	.55872790+00
.32026790+00	.18740402+01	.29118102+00	.16966864+01	.56276841+00
.32114056+00	.18740855+01	.29037207+00	.17040390+01	.56685829+00
.32201323+00	.18741333+01	.28956661+00	.17114972+01	.57099863+00
.32288589+00	.18741835+01	.28876153+00	.17190637+01	.57519061+00
.32375856+00	.18742361+01	.28795971+00	.17267410+01	.57943546+00
.32463122+00	.18742910+01	.28716005+00	.17345317+01	.58373437+00
.32550389+00	.18743484+01	.28636242+00	.17424388+01	.58808867+00
.32637655+00	.18744080+01	.28556672+00	.17504651+01	.59249970+00
.32724921+00	.18744701+01	.28477283+00	.17586136+01	.59696883+00
.32812188+00	.18745344+01	.28398064+00	.17668873+01	.60149746+00
.32899454+00	.18746011+01	.28319003+00	.17752894+01	.60608707+00
.32986721+00	.18746702+01	.28240068+00	.17838235+01	.61073924+00
.33073987+00	.18747416+01	.28161310+00	.17924929+01	.61545558+00
.33161253+00	.18748153+01	.28082655+00	.18013012+01	.62023769+00
.33248520+00	.18748914+01	.28004112+00	.18102522+01	.62508733+00
.33335786+00	.18749699+01	.27925671+00	.18193497+01	.63000626+00
.33423053+00	.18750506+01	.27847318+00	.18285981+01	.63499644+00
.33510319+00	.18751338+01	.27769043+00	.18380012+01	.64005968+00
.33597586+00	.18752193+01	.27690833+00	.18475636+01	.64519804+00
.33684852+00	.18753072+01	.27612676+00	.18572899+01	.65041363+00
.33772118+00	.18753975+01	.27534559+00	.18671849+01	.65570860+00
.33859385+00	.18754902+01	.27456472+00	.18772537+01	.66108531+00
.33946651+00	.18755853+01	.27378399+00	.18875012+01	.66654601+00

TABLE 140. (Concluded)

$$M_{\infty} = .22499943+02$$

$$\Theta_s = .30543261+00$$

Θ	M_1^*	ψ_1	x	r
.34033918+00	.18756829+01	.27300330+00	.18979332+01	.67209333+00
.34121184+00	.18757829+01	.27222250+00	.19085552+01	.67772975+00
.34208450+00	.18758854+01	.27144146+00	.19193733+01	.68345802+00
.34295715+00	.18759906+01	.27066008+00	.19303936+01	.68928090+00
.34382980+00	.18760935+01	.26987818+00	.19416226+01	.69520140+00
.34470245+00	.18762089+01	.26909562+00	.19530675+01	.70122271+00
.34557510+00	.18763218+01	.26831226+00	.19647352+01	.70734800+00
.34644775+00	.18764373+01	.26752795+00	.19766335+01	.71358073+00
.34732040+00	.18765555+01	.26674252+00	.19887701+01	.71992446+00
.34775672+00	.18766156+01	.26634934+00	.19949304+01	.72313910+00
.34819305+00	.18766763+01	.26595582+00	.20011536+01	.72638296+00
.34862937+00	.18767377+01	.26556195+00	.20074405+01	.72965648+00
.34906570+00	.18767998+01	.26516769+00	.20137926+01	.73296022+00
.34950202+00	.18768626+01	.26477304+00	.20202107+01	.73629462+00
.34993835+00	.18769261+01	.26437796+00	.20266964+01	.73966034+00
.35037467+00	.18769902+01	.26398244+00	.20332507+01	.74305785+00
.35081100+00	.18770551+01	.26358645+00	.20398749+01	.74648777+00
.35124732+00	.18771207+01	.26318997+00	.20465701+01	.74995060+00
.35168365+00	.18771870+01	.26279297+00	.20533380+01	.75344703+00
.35211997+00	.18772540+01	.26239544+00	.20601799+01	.75697768+00
.35255630+00	.18773217+01	.26199734+00	.20670970+01	.76054310+00
.35299262+00	.18773902+01	.26159866+00	.20740911+01	.76414409+00
.35342894+00	.18774594+01	.26119936+00	.20811634+01	.76778118+00
.35386527+00	.18775294+01	.26079943+00	.20883157+01	.77145516+00
.35430159+00	.18776001+01	.26039883+00	.20955493+01	.77516665+00
.35473792+00	.18776716+01	.25999754+00	.21028661+01	.77891646+00
.35517424+00	.18777438+01	.25959552+00	.21102677+01	.78270533+00
.35561057+00	.18778168+01	.25919276+00	.21177559+01	.78653403+00
.35604692+00	.18778852+01	.25881882+00	.21247741+01	.79011841+00

$$.31615853+01 = \Delta S/R$$

$$.83210721+02 = P_s/P_{\infty}$$

$$.40072314+01 = \rho_s/\rho_{\infty}$$

$$.20765140+02 = T_s/T_{\infty}$$

TABLE 141. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 25.0$

u_s	M_∞	θ_s	θ_w	
.93750946+00	.24999973+02	.30543261+00	.35547207+00	
θ	M_1^*	ψ_1	x	r
.30543261+00	.18749838+01	.30543261+00	.15857974+01	.50000000+00
.30630527+00	.18749852+01	.30454234+00	.15917055+01	.50339034+00
.30717794+00	.18749894+01	.30369474+00	.15976882+01	.50681654+00
.30805060+00	.18749965+01	.30283568+00	.16037469+01	.51027925+00
.30892327+00	.18750063+01	.30197900+00	.16098830+01	.51377919+00
.30979593+00	.18750188+01	.30112657+00	.16160982+01	.51731707+00
.31066860+00	.18750339+01	.30027824+00	.16223941+01	.52089372+00
.31154126+00	.18750519+01	.29943398+00	.16287723+01	.52450988+00
.31241392+00	.18750722+01	.29859335+00	.16352346+01	.52816636+00
.31328659+00	.18750952+01	.29775653+00	.16417828+01	.53186402+00
.31415925+00	.18751209+01	.29692328+00	.16484188+01	.53560371+00
.31503192+00	.18751490+01	.29609347+00	.16551444+01	.53938631+00
.31590458+00	.18751797+01	.29526698+00	.16619615+01	.54321273+00
.31677724+00	.18752129+01	.29444369+00	.16688724+01	.54708395+00
.31764991+00	.18752486+01	.29362346+00	.16758788+01	.55100089+00
.31852257+00	.18752867+01	.29280619+00	.16829832+01	.55496462+00
.31939524+00	.18753273+01	.29199174+00	.16901877+01	.55897611+00
.32026790+00	.18753703+01	.29118001+00	.16974948+01	.56303652+00
.32114056+00	.18754158+01	.29037087+00	.17049065+01	.56714687+00
.32201323+00	.18754636+01	.28956420+00	.17124256+01	.57130837+00
.32288589+00	.18755139+01	.28875989+00	.17200546+01	.57552219+00
.32375856+00	.18755665+01	.28795782+00	.17277962+01	.57978955+00
.32463122+00	.18756215+01	.28715788+00	.17356530+01	.58411171+00
.32550389+00	.18756789+01	.28635995+00	.17436279+01	.58849001+00
.32637655+00	.18757386+01	.28556392+00	.17517240+01	.59292580+00
.32724921+00	.18758007+01	.28476967+00	.17599442+01	.59742049+00
.32812188+00	.18758652+01	.28397708+00	.17682917+01	.60197556+00
.32899454+00	.18759320+01	.28318604+00	.17767699+01	.60659250+00
.32986721+00	.18760011+01	.28239644+00	.17853822+01	.61127290+00
.33073987+00	.18760727+01	.28160816+00	.17941322+01	.61601842+00
.33161253+00	.18761465+01	.28082108+00	.18030234+01	.62083068+00
.33248520+00	.18762227+01	.28003510+00	.18120599+01	.62571154+00
.33335784+00	.18763013+01	.27925007+00	.18212455+01	.63066274+00
.33423053+00	.18763822+01	.27846590+00	.18305847+01	.63568632+00
.33510319+00	.18764655+01	.27768246+00	.18400815+01	.64078413+00
.33597586+00	.18765512+01	.27689962+00	.18497407+01	.64595830+00
.33684852+00	.18766392+01	.27611726+00	.18595667+01	.65121096+00
.33772118+00	.18767297+01	.27533526+00	.18695648+01	.65654435+00
.33859385+00	.18768226+01	.27455350+00	.18797399+01	.66196085+00
.33946651+00	.18769179+01	.27377184+00	.18900974+01	.66746283+00

TABLE 141. (Concluded)

$$M_{\infty} = .24999973+02$$

$$\Theta_s = .30543261+00$$

Θ	M_1^*	ψ_1	x	r
.34033918+00	.18770157+01	.27299015+00	.19006431+01	.67305296+00
.34121184+00	.18771159+01	.27220830+00	.19113828+01	.67873383+00
.34208450+00	.18772188+01	.27142616+00	.19223224+01	.68450812+00
.34295715+00	.18773244+01	.27064359+00	.19334684+01	.69037880+00
.34382980+00	.18774325+01	.26986045+00	.19448278+01	.69634902+00
.34470244+00	.18775431+01	.26907657+00	.19564077+01	.70242195+00
.34557509+00	.18776564+01	.26829182+00	.19682154+01	.70860091+00
.34644774+00	.18777722+01	.26750604+00	.19802587+01	.71488947+00
.34732039+00	.18778908+01	.26671907+00	.19925460+01	.72129128+00
.34775672+00	.18779510+01	.26632509+00	.19987839+01	.72453593+00
.34819304+00	.18780119+01	.26593074+00	.20050860+01	.72781036+00
.34862937+00	.18780735+01	.26553602+00	.20114534+01	.73111503+00
.34906569+00	.18781358+01	.26514089+00	.20178876+01	.73445067+00
.34950202+00	.18781988+01	.26474534+00	.20243894+01	.73781758+00
.34993834+00	.18782625+01	.26434935+00	.20309604+01	.74121650+00
.35037467+00	.18783269+01	.26395287+00	.20376015+01	.74464786+00
.35081099+00	.18783920+01	.26355591+00	.20443145+01	.74811243+00
.35124731+00	.18784578+01	.26315843+00	.20511004+01	.75161067+00
.35168364+00	.18785243+01	.26276042+00	.20579607+01	.75514325+00
.35211996+00	.18785916+01	.26236183+00	.20648969+01	.75871082+00
.35255629+00	.18786596+01	.26196265+00	.20719109+01	.76231407+00
.35299261+00	.18787283+01	.26156286+00	.20790026+01	.76595359+00
.35342894+00	.18787978+01	.26116243+00	.20861754+01	.76963015+00
.35386526+00	.18788680+01	.26076133+00	.20934300+01	.77334443+00
.35430159+00	.18789390+01	.26035953+00	.21007684+01	.77709720+00
.35473791+00	.18790108+01	.25995701+00	.21081921+01	.78088922+00
.35517424+00	.18790834+01	.25955373+00	.21157030+01	.78472126+00
.35561057+00	.18791568+01	.25927801+00	.21233807+01	.78873603+00

$$.34522787+01 = \Delta S/R$$

$$.10241933+03 = P_s/P_{\infty}$$

$$.40407763+01 = \rho_s/\rho_{\infty}$$

$$.25346449+02 = T_s/T_{\infty}$$

2. TABLE 142. CONICAL FLOWFIELD $\theta_s = 17.5 \text{ DEG}$; $M_\infty = 27.5$

u_s	M_∞	θ_s	θ_w	
.93800245+00	.27479964+02	.30543261+00	.35506987+00	
θ	M_1^*	ψ_1	x	r
.30543261+00	.18757697+01	.30543261+00	.15857974+01	.50000000+00
.30630527+00	.18759712+01	.30456234+00	.15917348+01	.50339959+00
.30717794+00	.18759754+01	.30369674+00	.15977474+01	.50683530+00
.30805060+00	.18759825+01	.30283567+00	.16038366+01	.51030780+00
.30892327+00	.18759922+01	.30197899+00	.16100041+01	.51381783+00
.30979593+00	.18760047+01	.30112654+00	.16162514+01	.51736613+00
.31066860+00	.18760199+01	.30027820+00	.16225802+01	.52095348+00
.31154126+00	.18760378+01	.29943382+00	.16289922+01	.52458069+00
.31241392+00	.18760582+01	.29859327+00	.16354891+01	.52824855+00
.31328659+00	.18760813+01	.29775641+00	.16420728+01	.53195794+00
.31415925+00	.18761069+01	.29692312+00	.16487451+01	.53570971+00
.31503192+00	.18761351+01	.29609326+00	.16555079+01	.53950478+00
.31590458+00	.18761658+01	.29526671+00	.16623633+01	.54334403+00
.31677724+00	.18761990+01	.29444334+00	.16693133+01	.54722849+00
.31764991+00	.18762347+01	.29362303+00	.16763601+01	.55115911+00
.31852257+00	.18762728+01	.29280566+00	.16835058+01	.55513693+00
.31939524+00	.18763135+01	.29199111+00	.16907527+01	.55916294+00
.32026790+00	.18763565+01	.29117925+00	.16981031+01	.56323831+00
.32114056+00	.18764020+01	.29036996+00	.17055596+01	.56736410+00
.32201323+00	.18764499+01	.28956314+00	.17131245+01	.57154154+00
.32288589+00	.18765002+01	.28875865+00	.17208006+01	.57577178+00
.32375856+00	.18765529+01	.28795639+00	.17285905+01	.58005609+00
.32463122+00	.18766079+01	.28715624+00	.17364971+01	.58439578+00
.32550389+00	.18766654+01	.28635808+00	.17445232+01	.58879216+00
.32637655+00	.18767252+01	.28556180+00	.17526718+01	.59324663+00
.32724921+00	.18767873+01	.28476727+00	.17609462+01	.59776063+00
.32812188+00	.18768516+01	.28397439+00	.17693494+01	.60233562+00
.32899454+00	.18769187+01	.28318303+00	.17778849+01	.60697316+00
.32986721+00	.18769879+01	.28239308+00	.17865562+01	.61167485+00
.33073987+00	.18770595+01	.28160443+00	.17953670+01	.61644240+00
.33161253+00	.18771334+01	.28081695+00	.18043209+01	.62127745+00
.33248520+00	.18772097+01	.28003053+00	.18134219+01	.62618186+00
.33335786+00	.18772884+01	.27924605+00	.18226742+01	.63115745+00
.33423053+00	.18773694+01	.27846339+00	.18320819+01	.63620622+00
.33510319+00	.18774526+01	.27767691+00	.18416496+01	.64133018+00
.33597586+00	.18775386+01	.27689302+00	.18513817+01	.64653137+00
.33684852+00	.18776268+01	.27611007+00	.18612832+01	.65181205+00
.33772118+00	.18777174+01	.27532744+00	.18713591+01	.65717448+00
.33859385+00	.18778104+01	.27454501+00	.18816147+01	.66262108+00
.33946651+00	.18779059+01	.27376264+00	.18920554+01	.66815428+00

TABLE 142. (Concluded)

$$M_{\infty} = .27499964+02$$

$$\Theta_s = .30543261+00$$

Θ	M_1^*	ψ_1	x	r
.34033918+00	.18780038+01	.27298019+00	.19026871+01	.67377679+00
.34121184+00	.18781042+01	.27219754+00	.19135158+01	.67949124+00
.34208450+00	.18782073+01	.27141456+00	.19245475+01	.68530047+00
.34295715+00	.18783130+01	.27063110+00	.19357890+01	.69120741+00
.34382980+00	.18784213+01	.26984701+00	.19472472+01	.69721528+00
.34470244+00	.18785322+01	.26906214+00	.19589295+01	.70332737+00
.34557509+00	.18786457+01	.26827634+00	.19708434+01	.70954707+00
.34644774+00	.18787618+01	.26748944+00	.19829969+01	.71587797+00
.34732039+00	.18788806+01	.26670130+00	.19953986+01	.72232390+00
.34775672+00	.18789410+01	.26630670+00	.20016953+01	.72559128+00
.34819304+00	.18790026+01	.26591173+00	.20080573+01	.72888888+00
.34862937+00	.18790638+01	.26551636+00	.20144858+01	.73221724+00
.34906569+00	.18791263+01	.26512057+00	.20209823+01	.73557702+00
.34950202+00	.18791894+01	.26472434+00	.20275476+01	.73896863+00
.34993834+00	.18792533+01	.26432764+00	.20341833+01	.74239274+00
.35037467+00	.18793178+01	.26393046+00	.20408906+01	.74584986+00
.35081099+00	.18793831+01	.26353276+00	.20476710+01	.74934072+00
.35124731+00	.18794491+01	.26313452+00	.20545258+01	.75286587+00
.35168364+00	.18795158+01	.26273573+00	.20614565+01	.75642598+00
.35211996+00	.18795833+01	.26233635+00	.20684643+01	.76002163+00
.35255629+00	.18796514+01	.26193636+00	.20755512+01	.76365361+00
.35299261+00	.18797204+01	.26153572+00	.20827181+01	.76732245+00
.35342894+00	.18797891+01	.26113442+00	.20899671+01	.77102900+00
.35386526+00	.18798605+01	.26073243+00	.20972998+01	.77477398+00
.35430159+00	.18799317+01	.26032972+00	.21047179+01	.77855819+00
.35473791+00	.18800037+01	.25992626+00	.21122231+01	.78238235+00
.35506987+00	.18800590+01	.25961879+00	.21179924+01	.78531897+00

$$.37192044+01 = \Delta S/R$$

$$.12364908+03 = P_s/P_{\infty}$$

$$.40661001+01 = \rho_s/\rho_{\infty}$$

$$.30409748+02 = T_s/T_{\infty}$$

TABLE 143. CONICAL FLOWFIELD $\theta_s = 17.5$ DEG; $M_\infty = 30.0$

u_s	M_∞	θ_s	θ_w	
.93837790+00	.30000048+02	.30543261+00	.35476362+00	
θ	M^*_1	ψ_1	x	r
.30543261+00	.18767206+01	.30543261+00	.15857974+01	.50000000+00
.30630527+00	.18767221+01	.30456234+00	.15917573+01	.50340670+00
.30717794+00	.18767263+01	.30369674+00	.15977928+01	.50684972+00
.30805060+00	.18767333+01	.30283567+00	.16039057+01	.51032977+00
.30892327+00	.18767431+01	.30197898+00	.16100973+01	.51384756+00
.30979593+00	.18767557+01	.30112653+00	.16163693+01	.51740387+00
.31066860+00	.18767708+01	.30027818+00	.16227235+01	.52099948+00
.31154126+00	.18767887+01	.29943378+00	.16291614+01	.52463517+00
.31241392+00	.18768091+01	.29859320+00	.16356849+01	.52831178+00
.31328659+00	.18768322+01	.29775632+00	.16422958+01	.53203019+00
.31415925+00	.18768579+01	.29692299+00	.16489961+01	.53579127+00
.31503192+00	.18768861+01	.29609310+00	.16557876+01	.53959592+00
.31590458+00	.18769168+01	.29526649+00	.16626724+01	.54344507+00
.31677724+00	.18769500+01	.29444307+00	.16696526+01	.54733972+00
.31764991+00	.18769857+01	.29362270+00	.16767303+01	.55128084+00
.31852257+00	.18770239+01	.29280525+00	.16839078+01	.55526949+00
.31939524+00	.18770645+01	.29199061+00	.16911872+01	.55930667+00
.32026790+00	.18771076+01	.29117865+00	.16985712+01	.56339356+00
.32114056+00	.18771531+01	.29036926+00	.17060621+01	.56753127+00
.32201323+00	.18772010+01	.28956232+00	.17136623+01	.57172097+00
.32288589+00	.18772513+01	.28875770+00	.17213747+01	.57596388+00
.32375856+00	.18773040+01	.28795529+00	.17292020+01	.58026129+00
.32463122+00	.18773591+01	.28715498+00	.17371469+01	.58461449+00
.32550389+00	.18774166+01	.28635664+00	.17452125+01	.58902482+00
.32637655+00	.18774764+01	.28556016+00	.17534017+01	.59349369+00
.32724921+00	.18775386+01	.28476542+00	.17617178+01	.59802257+00
.32812188+00	.18776032+01	.28397230+00	.17701640+01	.60261294+00
.32899454+00	.18776701+01	.28318070+00	.17787437+01	.60726636+00
.32986721+00	.18777394+01	.28239049+00	.17874606+01	.61198449+00
.33073987+00	.18778110+01	.28160154+00	.17963183+01	.61676902+00
.33161253+00	.18778850+01	.28081376+00	.18053205+01	.62162165+00
.33248520+00	.18779614+01	.28002701+00	.18144713+01	.62654422+00
.33335786+00	.18780401+01	.27924117+00	.18237749+01	.63153864+00
.33423053+00	.18781212+01	.27845613+00	.18332357+01	.63660690+00
.33510319+00	.18782047+01	.27767175+00	.18428580+01	.64175100+00
.33597586+00	.18782906+01	.27688792+00	.18526466+01	.64697310+00
.33684852+00	.18783789+01	.27610452+00	.18626064+01	.65227544+00
.33772116+00	.18784696+01	.27532140+00	.18727425+01	.65766030+00
.33859385+00	.18785627+01	.27453845+00	.18830603+01	.66313015+00
.33946651+00	.18786583+01	.27375552+00	.18935653+01	.66868749+00

TABLE 143. (Concluded)

$$M_{\infty} = .30000046+02$$

$$\Theta_s = .30543261+00$$

Θ	M_1^*	ψ_1	x	r
.34033918+00	.18787564+01	.27297250+00	.19042636+01	.67433503+00
.34121184+00	.18788569+01	.27218923+00	.19151610+01	.68007547+00
.34208449+00	.18789603+01	.27140560+00	.19262639+01	.68591163+00
.34295714+00	.18790662+01	.27062145+00	.19375791+01	.69184660+00
.34382979+00	.18791746+01	.26983663+00	.19491139+01	.69788364+00
.34470244+00	.18792857+01	.26905098+00	.19608755+01	.70402604+00
.34557509+00	.18793994+01	.26826436+00	.19728717+01	.71027728+00
.34644774+00	.18795156+01	.26747660+00	.19851106+01	.71664099+00
.34732039+00	.18796346+01	.26668753+00	.19976008+01	.72312109+00
.34775671+00	.18796951+01	.26629247+00	.20039430+01	.72640604+00
.34819303+00	.18797563+01	.26589701+00	.20103515+01	.72972162+00
.34862936+00	.18798182+01	.26550113+00	.20168275+01	.73306837+00
.34906568+00	.18798807+01	.26510483+00	.20233722+01	.73644686+00
.34950201+00	.18799440+01	.26470807+00	.20299868+01	.73985761+00
.34993833+00	.18800080+01	.26431083+00	.20366727+01	.74330123+00
.35037466+00	.18800727+01	.26391309+00	.20434313+01	.74677838+00
.35081098+00	.18801381+01	.26351482+00	.20502641+01	.75028965+00
.35124731+00	.18802042+01	.26311599+00	.20571722+01	.75383560+00
.35168363+00	.18802711+01	.26271660+00	.20641573+01	.75741702+00
.35211996+00	.18803387+01	.26231660+00	.20712209+01	.76103447+00
.35255628+00	.18804070+01	.26191597+00	.20783646+01	.76468872+00
.35299261+00	.18804761+01	.26151468+00	.20855896+01	.76838036+00
.35342893+00	.18805459+01	.26111272+00	.20928978+01	.77211019+00
.35386525+00	.18806166+01	.26071003+00	.21002912+01	.77587903+00
.35430158+00	.18806880+01	.26030662+00	.21077711+01	.77968757+00
.35473790+00	.18807601+01	.25990243+00	.21153395+01	.78353664+00
.35476362+00	.18807644+01	.25987858+00	.21157882+01	.78376471+00

$$.39656659+01 = \Delta S/R$$

$$.14690190+03 = P_s/P_{\infty}$$

$$.40856676+01 = \rho_s/\rho_{\infty}$$

$$.35955420+02 = T_s/T_{\infty}$$

TABLE 144. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 1.3913074$

u_s	M_∞	θ_s	θ_w	
.50000938+00	.13913074+01	.34906584+00	.95786928+00	
θ	M^*_1	ψ_1	x	r
.34906584+00	.10000000+01	.34906584+00	.13737387+01	.50000000+00
.36651912+00	.10002821+01	.33240800+00	.13655437+01	.52418306+00
.38397241+00	.10010492+01	.31719109+00	.13583457+01	.54880723+00
.40142569+00	.10022047+01	.30322073+00	.13520622+01	.57391629+00
.41887897+00	.10036748+01	.29033416+00	.13466291+01	.59955782+00
.43633226+00	.10054627+01	.27840301+00	.13419973+01	.62578351+00
.45378554+00	.10073438+01	.26730799+00	.13381305+01	.65264975+00
.46949349+00	.10092443+01	.25795919+00	.13352836+01	.67742793+00
.48520145+00	.10112693+01	.24915053+00	.13330235+01	.70282345+00
.50090940+00	.10134025+01	.24082913+00	.13313442+01	.72888946+00
.51661722+00	.10156310+01	.23294833+00	.13302442+01	.75568344+00
.53232504+00	.10179443+01	.22546712+00	.13297281+01	.78326903+00
.54803286+00	.10203341+01	.21834495+00	.13298039+01	.81171476+00
.56199536+00	.10225173+01	.21230007+00	.13303817+01	.83778484+00
.57595787+00	.10247523+01	.20649166+00	.13314539+01	.86465479+00
.58992038+00	.10270364+01	.20090488+00	.13330379+01	.89238930+00
.60388289+00	.10293674+01	.19552264+00	.13351554+01	.92105997+00
.61784539+00	.10317443+01	.19032911+00	.13378326+01	.95074580+00
.63180790+00	.10341661+01	.18530983+00	.13411003+01	.98153439+00
.64402509+00	.10363220+01	.18105029+00	.13444725+01	.10094555+01
.65624229+00	.10385125+01	.17690542+00	.13483529+01	.10383683+01
.66845948+00	.10407380+01	.17286728+00	.13527739+01	.10683529+01
.68067668+00	.10429995+01	.16892845+00	.13577724+01	.10994985+01
.69289387+00	.10452981+01	.16508177+00	.13633909+01	.11319047+01
.70511106+00	.10476351+01	.16132036+00	.13696778+01	.11656825+01
.71558294+00	.10496703+01	.15815923+00	.13756406+01	.11958211+01
.72605482+00	.10517364+01	.15505195+00	.13821753+01	.12271474+01
.73652671+00	.10538350+01	.15199458+00	.13893271+01	.12597592+01
.74699859+00	.10559678+01	.14898333+00	.13971468+01	.12937661+01
.75747047+00	.10581367+01	.14601436+00	.14056930+01	.13292913+01
.76794235+00	.10603442+01	.14308892+00	.14150321+01	.13664737+01
.77666891+00	.10622149+01	.14066854+00	.14234749+01	.13988376+01
.78539548+00	.10641158+01	.13827498+00	.14325707+01	.14325630+01
.79412205+00	.10660486+01	.13590102+00	.14423765+01	.14677648+01
.80284861+00	.10680155+01	.13354430+00	.14529559+01	.15045713+01
.81157518+00	.10700188+01	.13120242+00	.14643818+01	.15431274+01
.82030175+00	.10720610+01	.12887284+00	.14767374+01	.15835975+01
.82728300+00	.10737247+01	.12701624+00	.14873550+01	.16174764+01
.83426426+00	.10754169+01	.12516440+00	.14986839+01	.16528077+01
.84124551+00	.10771392+01	.12331581+00	.15107872+01	.16897127+01

TABLE 144. (Concluded)

$$M_{\infty} = .13913074+01$$

$$\Theta_s = .34906584+00$$

Θ	M_1^*	ψ_1	x	r
.84822676+00	.10788939+01	.12146883+00	.15237354+01	.17283272+01
.85520802+00	.10606829+01	.11962178+00	.15376092+01	.17688052+01
.86218927+00	.10825091+01	.11777280+00	.15525006+01	.18113211+01
.86742521+00	.10839046+01	.11638357+00	.15643999+01	.18446642+01
.87266115+00	.10853238+01	.11499120+00	.15749811+01	.18793596+01
.87789709+00	.10867683+01	.11359469+00	.15903006+01	.19155126+01
.88313303+00	.10882394+01	.11219296+00	.16044217+01	.19532408+01
.88836897+00	.10897390+01	.11078487+00	.16194159+01	.19926761+01
.89360491+00	.10912692+01	.10936411+00	.16353638+01	.20339670+01
.89709554+00	.10923072+01	.10842035+00	.16465705+01	.20626075+01
.90058617+00	.10933605+01	.10746708+00	.16582719+01	.20922025+01
.90407679+00	.10944298+01	.10650886+00	.16705016+01	.21228125+01
.90756742+00	.10955159+01	.10554914+00	.16832961+01	.21545039+01
.91105805+00	.10966177+01	.10457537+00	.16966957+01	.21873496+01
.91454867+00	.10977422+01	.10359894+00	.17107452+01	.22214301+01
.91803930+00	.10988845+01	.10261518+00	.17254941+01	.22568343+01
.92152915+00	.11000477+01	.10162351+00	.17409939+01	.22936524+01
.92501900+00	.11012332+01	.10062294+00	.17573099+01	.23320022+01
.92850886+00	.11024423+01	.99612631-01	.17745108+01	.23720064+01
.93199871+00	.11036768+01	.98591618-01	.17926749+01	.24138029+01
.93548856+00	.11049384+01	.97558789-01	.18118902+01	.24575473+01
.93897841+00	.11062289+01	.96512951-01	.18322574+01	.25034164+01
.94246826+00	.11075509+01	.95452763-01	.18538917+01	.25516119+01
.94595812+00	.11089066+01	.94376653-01	.18769256+01	.26023648+01
.94944797+00	.11102991+01	.93282878-01	.19015128+01	.26559424+01
.95293782+00	.11117317+01	.92169441-01	.19278335+01	.27126566+01
.95642767+00	.11132082+01	.91034003-01	.19560998+01	.27728731+01
.95786928+00	.11138320+01	.90557925-01	.19684016+01	.27988688+01

$$.24662279-02 = \Delta S/R$$

$$.16871730+01 = P_s/P_{\infty}$$

$$.13673025+01 = \rho_s/\rho_{\infty}$$

$$.12339428+01 = T_s/T_{\infty}$$

TABLE 145. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 1.5$

u_s	M_∞	θ_s	θ_w	
.53475761+00	.14999883+01	.34906584+00	.87478556+00	
θ	M_1^*	ψ_1	x	r
.34906584+00	.10694952+01	.34906584+00	.13737387+01	.50000000+00
.36477380+00	.10697415+01	.33480447+00	.13757893+01	.52536282+00
.38048175+00	.10704176+01	.32012225+00	.13782980+01	.55127984+00
.39618970+00	.10714458+01	.30727010+00	.13812906+01	.57780632+00
.41189766+00	.10727656+01	.29532312+00	.13847940+01	.60500156+00
.42760561+00	.10743295+01	.28417576+00	.13888372+01	.63292950+00
.44200457+00	.10759452+01	.27458265+00	.13930444+01	.65923277+00
.45640353+00	.10777109+01	.26552576+00	.13977583+01	.68626776+00
.47080249+00	.10796060+01	.25695265+00	.14030084+01	.71409742+00
.48520145+00	.10816210+01	.24881710+00	.14088279+01	.74279053+00
.49960041+00	.10837375+01	.24107840+00	.14152535+01	.77242238+00
.51269026+00	.10857430+01	.23435667+00	.14216561+01	.80024461+00
.52578011+00	.10878198+01	.22790822+00	.14286292+01	.82897981+00
.53886996+00	.10899630+01	.22171079+00	.14362122+01	.85870347+00
.55195981+00	.10921688+01	.21574409+00	.14444494+01	.88949909+00
.56504966+00	.10944343+01	.20998953+00	.14533904+01	.92145887+00
.57803053+00	.10968226+01	.20497270+00	.14620856+01	.95130287+00
.58861139+00	.10986567+01	.20011231+00	.14714428+01	.98225634+00
.60039226+00	.11006360+01	.19538264+00	.14815139+01	.10144116+01
.61217313+00	.11030606+01	.19077851+00	.14923575+01	.10478714+01
.62395399+00	.11053307+01	.18629033+00	.15040398+01	.10827509+01
.63442587+00	.11073874+01	.18239073+00	.15151088+01	.11150508+01
.64489775+00	.11094817+01	.17866947+00	.15271194+01	.11486756+01
.65536963+00	.11116145+01	.17482062+00	.15398991+01	.11837389+01
.66584151+00	.11137875+01	.17113841+00	.15536037+01	.12203677+01
.67631339+00	.11160022+01	.16751723+00	.15683199+01	.12587054+01
.68674629+00	.11179761+01	.16439435+00	.15821035+01	.12937796+01
.69663918+00	.11199852+01	.16131026+00	.15968121+01	.13304087+01
.70380208+00	.11220314+01	.15826123+00	.16125305+01	.13687300+01
.71296497+00	.11241170+01	.15524355+00	.16293554+01	.14088993+01
.72212787+00	.11262442+01	.15225337+00	.16473973+01	.14510929+01
.72998178+00	.11281029+01	.14970930+00	.16639258+01	.14890217+01
.73783569+00	.11299962+01	.14718001+00	.16815324+01	.15287291+01
.74568960+00	.11319266+01	.14466289+00	.17003204+01	.15703774+01
.75354351+00	.11338964+01	.14215504+00	.17204083+01	.16144151+01
.76139742+00	.11359084+01	.13965362+00	.17419317+01	.16602608+01
.76794235+00	.11376198+01	.13757167+00	.17610769+01	.17006436+01
.77448727+00	.11393649+01	.13549000+00	.17814316+01	.17429756+01
.78103220+00	.11411460+01	.13340687+00	.18031139+01	.17874376+01
.78757712+00	.11429659+01	.13131883+00	.18262599+01	.18342360+01

TABLE 145. (Concluded)

$$M_{\infty} = .1699883+01$$

$$\Theta_s = .34906584+00$$

Θ	M^*_1	ψ_1	x	r
.79412205+00	.11448274+01	.12922456+00	.18510257+01	.18836070+01
.79935799+00	.11463469+01	.12754251+00	.18721254+01	.19251379+01
.80459393+00	.11479011+01	.12585292+00	.18944834+01	.19686482+01
.80982987+00	.11494863+01	.12415410+00	.19182206+01	.20143184+01
.81506581+00	.11511069+01	.12244416+00	.19434754+01	.20623638+01
.82030175+00	.11527656+01	.12072106+00	.19704065+01	.21129895+01
.82422870+00	.11540366+01	.11941669+00	.19918145+01	.21528344+01
.82815537+00	.11553321+01	.11810657+00	.20143551+01	.21944203+01
.83208145+00	.11566541+01	.11678353+00	.20381259+01	.22378894+01
.83600754+00	.11580041+01	.11544818+00	.20632429+01	.22834124+01
.83993362+00	.11593842+01	.11409905+00	.20898342+01	.23311752+01
.84255101+00	.11603221+01	.11319118+00	.21084524+01	.23643653+01
.84516840+00	.11612752+01	.11227596+00	.21278391+01	.23987149+01
.84778579+00	.11622441+01	.11135275+00	.21480479+01	.24343012+01
.85040317+00	.11632300+01	.11042098+00	.21691380+01	.24712094+01
.85302056+00	.11642336+01	.10947993+00	.21911750+01	.25095336+01
.85563795+00	.11652560+01	.10852888+00	.22142317+01	.25493779+01
.85825534+00	.11662985+01	.10756698+00	.22383894+01	.25908586+01
.86087273+00	.11673623+01	.10659230+00	.22637393+01	.26341055+01
.86349012+00	.11684489+01	.10560686+00	.22903840+01	.26792643+01
.86610751+00	.11695597+01	.10460642+00	.23184396+01	.27264998+01
.86872490+00	.11706968+01	.10359100+00	.23480376+01	.27759977+01
.87134229+00	.11718620+01	.10255887+00	.23793292+01	.28279713+01
.87395968+00	.11730577+01	.10150856+00	.24124878+01	.28826643+01
.87478556+00	.11734417+01	.10117308+00	.24233695+01	.29005306+01

$$.31539425+02 = \Delta S/R$$

$$.17399299+01 = P_s/P_{\infty}$$

$$.13924136+01 = \rho_s/\rho_{\infty}$$

$$.12495784+01 = T_s/T_{\infty}$$

14 TABLE 146. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 2.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.64826161+00	.19999945+01	.34906584+00	.67538059+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.34906584+00	.12964989+01	.34906584+00	.13737387+01	.50000000+00
.35910148+00	.12966239+01	.33929737+00	.13839245+01	.51949393+00
.36913712+00	.12969778+01	.33002768+00	.13946568+01	.53955198+00
.37917275+00	.12975333+01	.32120863+00	.14059686+01	.56021357+00
.38920839+00	.12982676+01	.31279784+00	.14178961+01	.58152150+00
.39924403+00	.12991617+01	.30475822+00	.14304794+01	.60352270+00
.40840700+00	.13001042+01	.29771359+00	.14425791+01	.62425963+00
.41756998+00	.13011563+01	.29092796+00	.14553001+01	.64565999+00
.42673295+00	.13023095+01	.28438080+00	.14686842+01	.66777059+00
.43589592+00	.13035563+01	.27805335+00	.14827769+01	.69064261+00
.44505390+00	.13048904+01	.27192846+00	.14976293+01	.71433242+00
.45334921+00	.13061683+01	.26654821+00	.15117687+01	.73652237+00
.46163952+00	.13075103+01	.26130991+00	.15266226+01	.75948314+00
.46992983+00	.13089134+01	.25620339+00	.15422424+01	.78327037+00
.47822013+00	.13103757+01	.25121912+00	.15586846+01	.80794518+00
.48651044+00	.13118953+01	.24634794+00	.15760128+01	.83357543+00
.49392809+00	.13133026+01	.24207841+00	.15923257+01	.85737888+00
.50134572+00	.13147541+01	.23788661+00	.16094605+01	.88206665+00
.50876331+00	.13162496+01	.23376608+00	.16274795+01	.90770423+00
.51618089+00	.13177889+01	.22971373+00	.16464524+01	.93436461+00
.52359847+00	.13193721+01	.22572174+00	.16664567+01	.96212854+00
.53014340+00	.13208061+01	.22224596+00	.16850331+01	.98761414+00
.53668832+00	.13222751+01	.21881010+00	.17045466+01	.10140977+01
.54323325+00	.13237799+01	.21541053+00	.17250713+01	.10416553+01
.54977817+00	.13253213+01	.21204372+00	.17466902+01	.10703718+01
.55632310+00	.13269005+01	.20870598+00	.17694960+01	.11003418+01
.56199536+00	.13283005+01	.20583395+00	.17903014+01	.11274113+01
.56766763+00	.13297309+01	.20297857+00	.18121527+01	.11555787+01
.57333990+00	.13311927+01	.20013731+00	.18351350+01	.11849296+01
.57901217+00	.13326871+01	.19730745+00	.18593435+01	.12155597+01
.58468444+00	.13342157+01	.19448640+00	.18848849+01	.12475758+01
.58948405+00	.13355371+01	.19210409+00	.19076273+01	.12758376+01
.59428366+00	.13368853+01	.18972413+00	.19314927+01	.13052595+01
.59908327+00	.13382617+01	.18734463+00	.19565727+01	.13359319+01
.60388289+00	.13396677+01	.18496355+00	.19829702+01	.13679565+01
.60868250+00	.13411049+01	.18257868+00	.20108014+01	.14014473+01
.61260945+00	.13423054+01	.18062298+00	.20347294+01	.14300283+01
.61653641+00	.13435291+01	.17866176+00	.20597847+01	.14597550+01
.62046336+00	.13447773+01	.17669355+00	.20860572+01	.14907148+01
.62436974+00	.13460522+01	.17471680+00	.21136430+01	.15230001+01

TABLE 146. (Concluded)

M₃ = 0.19999945+0i

$$\Theta_s = .34906584+00$$

<u>e</u>	<u>M₁</u>	<u>ψ₁</u>	<u>x</u>	<u>r</u>
•62831582+00	•13473547+01	•17272981+00	•21426563+01	•15567221+01
•63136944+00	•13483879+01	•17117596+00	•21662916+01	•15840233+01
•63442306+00	•13494395+01	•16961378+00	•21909347+01	•16123331+01
•63747668+00	•13505106+01	•16804211+00	•22166598+01	•16417227+01
•64053030+00	•13516021+01	•16645987+00	•22435483+01	•16722700+01
•64358392+00	•13527154+01	•16486582+00	•22716919+01	•17040629+01
•646576508+00	•13535246+01	•16371921+00	•22926183+01	•17275875+01
•64794624+00	•13543460+01	•16256537+00	•23142775+01	•17518358+01
•65012740+00	•13551802+01	•16140366+00	•23367138+01	•17768499+01
•65230855+00	•13560278+01	•16023353+00	•23599759+01	•18026758+01
•65448971+00	•13568894+01	•15905429+00	•23841162+01	•18293641+01
•65579841+00	•13574134+01	•15834209+00	•23990475+01	•18458136+01
•65710710+00	•13579429+01	•15762622+00	•24143288+01	•18626060+01
•65841579+00	•13584760+01	•15690642+00	•24299753+01	•18797550+01
•65972449+00	•13590190+01	•15618259+00	•24460019+01	•18972745+01
•66103318+00	•13595659+01	•15545451+00	•24624254+01	•19151803+01
•66234188+00	•13601190+01	•15472199+00	•24792624+01	•19334881+01
•66365057+00	•13606786+01	•15398479+00	•24965316+01	•19522153+01
•66495927+00	•13612449+01	•15324274+00	•25142523+01	•19713802+01
•66626796+00	•13618180+01	•15249553+00	•2532 36+01	•19910025+01
•66757666+00	•13623983+01	•15174295+00	•2551 376+01	•20111028+01
•66888535+00	•13629860+01	•15098473+00	•25703406+01	•20317039+01
•67019404+00	•13635814+01	•15022054+00	•25900919+01	•20528293+01
•67150274+00	•13641849+01	•14945015+00	•26104150+01	•20745047+01
•67281143+00	•13647967+01	•14867321+00	•26313398+01	•20967580+01
•67412013+00	•13654171+01	•14788931+00	•26528983+01	•21196189+01
•67542882+00	•13660467+01	•14709812+00	•26751247+01	•21431193+01
•67588059+00	•13662662+01	•14682324+00	•26829593+01	•21513865+01

• 12063071-01 = ΔS/R

* 21029818+01 = P_s/P_∞

.15545397+01 = As/p

•13528004+01 = T_s/T_∞

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DECLARATION

SECRET

14 TABLE 147. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 2.5$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.72065269+00	.24999927+01	.34906584+00	.58513707+00	
$\underline{\theta}$	\underline{M}_∞^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
$\underline{1}$	$\underline{1}$	$\underline{1}$		
.34906584+00	.14412784+01	.34906584+00	.13737387+01	.50000000+00
.35604715+00	.14413466+01	.34221473+00	.13848316+01	.51501422+00
.36302847+00	.14415429+01	.33560997+00	.13963926+01	.53043975+00
.37000978+00	.14418565+01	.32923212+00	.14084478+01	.54630086+00
.37699109+00	.14422780+01	.32306359+00	.14210255+01	.56262376+00
.38353607+00	.14427639+01	.31745651+00	.14333193+01	.57837115+00
.39008106+00	.14433316+01	.31200735+00	.14461272+01	.59457470+00
.39662604+00	.14439761+01	.30670504+00	.14594798+01	.61126193+00
.40317102+00	.14446929+01	.30153929+00	.14734100+01	.62846257+00
.40927967+00	.14454237+01	.29683272+00	.14869647+01	.64500821+00
.41538832+00	.14462114+01	.29222951+00	.15010865+01	.66205796+00
.42149696+00	.14470536+01	.28772283+00	.15158104+01	.67964278+00
.42760561+00	.14479483+01	.28330620+00	.15311748+01	.69779644+00
.43327793+00	.14488246+01	.27928027+00	.15460518+01	.71519493+00
.43895025+00	.14497434+01	.27532194+00	.15615544+01	.73314781+00
.44462257+00	.14507040+01	.27142670+00	.15777226+01	.75169011+00
.45029488+00	.14517054+01	.26759014+00	.15946009+01	.77086004+00
.45553087+00	.14526656+01	.26409710+00	.16108528+01	.78914850+00
.46076685+00	.14536599+01	.26064717+00	.16277929+01	.80804326+00
.46600284+00	.14546881+01	.25723712+00	.16454671+01	.82758359+00
.47123882+00	.14557502+01	.25386879+00	.16639261+01	.84791251+00
.47603847+00	.14567538+01	.25080118+00	.16815835+01	.86700079+00
.48083813+00	.14577861+01	.24776432+00	.16999940+01	.88684708+00
.48563778+00	.14588476+01	.24475087+00	.17192095+01	.90739505+00
.49043743+00	.14599386+01	.24175832+00	.17392871+01	.92869263+00
.49480075+00	.14609564+01	.23905390+00	.17583403+01	.94874870+00
.49916407+00	.14619997+01	.23636283+00	.17782101+01	.96951142+00
.50352737+00	.14630690+01	.23368311+00	.17989540+01	.99102835+00
.50789065+00	.14641649+01	.23101280+00	.18206353+01	.10133522+01
.51181760+00	.14651746+01	.22861583+00	.18410082+01	.10341817+01
.51574456+00	.14662073+01	.22622320+00	.18622538+01	.10557583+01
.51967151+00	.14672636+01	.22383332+00	.18844348+01	.10781336+01
.52359847+00	.14683445+01	.22144444+00	.19076202+01	.11013642+01
.52708910+00	.14693266+01	.21932037+00	.19291344+01	.11227822+01
.53057972+00	.14703297+01	.21719428+00	.19515623+01	.11449738+01
.53407035+00	.14713545+01	.21506483+00	.19749695+01	.11679926+01
.53756078+00	.14724022+01	.21293043+00	.19994275+01	.11918963+01
.54061440+00	.14733392+01	.21105733+00	.20217508+01	.12135864+01
.54366302+00	.14742952+01	.20917809+00	.20450011+01	.12360531+01
.54672164+00	.14752709+01	.20729145+00	.20692446+01	.12593496+01

TABLE 147. (Concluded)

$$M_{\infty} = .24999927+01$$

$$\Theta = .14904884+00$$

Θ	M_1^*	ψ_1	X	T
.54977527+00	.14762674+01	.20539611+00	.23946643+01	.12835347+01
.55239265+00	.14771387+01	.20376366+00	.21171585+01	.13090209+01
.55501004+00	.14780267+01	.20212279+00	.21406621+01	.13278529+01
.55762743+00	.14789321+01	.20047244+00	.21461273+01	.13502801+01
.56024482+00	.14798559+01	.19881152+00	.21706623+01	.13741572+01
.56242598+00	.14806404+01	.19741841+00	.22127109+01	.13947474+01
.56460714+00	.14814388+01	.19601636+00	.22356153+01	.14150079+01
.56678829+00	.14822519+01	.19460451+00	.22593895+01	.14379808+01
.56896945+00	.14830804+01	.19318196+00	.22840920+01	.14627124+01
.57071438+00	.14837547+01	.19203562+00	.23045645+01	.14794771+01
.57245930+00	.14844398+01	.19088130+00	.23257079+01	.14987879+01
.57420423+00	.14851361+01	.18971840+00	.23475608+01	.15186749+01
.57594915+00	.14858441+01	.18854637+00	.23701656+01	.15391715+01
.57725785+00	.14863831+01	.18766096+00	.23876404+01	.15549658+01
.57856654+00	.14869292+01	.18676974+00	.24055849+01	.15711395+01
.57987524+00	.14874827+01	.18587238+00	.24240221+01	.15877106+01
.58118393+00	.14880439+01	.18497653+00	.24429756+01	.16046976+01
.58249263+00	.14886131+01	.18405793+00	.24624720+01	.16221211+01
.58380132+00	.14891905+01	.18314011+00	.24825386+01	.16400024+01
.58511002+00	.14897766+01	.18221468+00	.25032057+01	.16583650+01
.58513707+00	.14897888+01	.18219549+00	.25036394+01	.16587498+01

$$.33879235+01 = \Delta S/R$$

$$.25849456+01 = P_s/P_{\infty}$$

$$.17441358+01 = \rho_s/\rho_{\infty}$$

$$.14820782+01 = T_s/T_{\infty}$$

14 TABLE 148. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 3.0$

u_s	M_∞	θ_s	θ_w	
.76925317+00	.29999926+01	.34906584+00	.53395650+00	
θ	M_1^*	ψ_1	x	r
.34906584+00	.15384775+01	.34906584+00	.13737387+01	.50000000+00
.35430103+00	.15385180+01	.34390340+00	.13844679+01	.51213020+00
.35953781+00	.15386387+01	.33888123+00	.13955809+01	.52456434+00
.36477380+00	.15388324+01	.33398977+00	.14070968+01	.53731800+00
.37000978+00	.15390952+01	.32922019+00	.14190364+01	.55040789+00
.37524576+00	.15394232+01	.32456436+00	.14314221+01	.56385210+00
.38048175+00	.15398129+01	.32001470+00	.14442781+01	.57766996+00
.38571773+00	.15402612+01	.31556416+00	.14576309+01	.59188247+00
.39095372+00	.15407653+01	.31120612+00	.14715090+01	.60651220+00
.39618970+00	.15413229+01	.30693438+00	.14859434+01	.62158352+00
.40142569+00	.15419320+01	.30274306+00	.15009680+01	.63712304+00
.40578901+00	.15424774+01	.29930769+00	.15139659+01	.65045100+00
.41015233+00	.15430564+01	.29592119+00	.15274225+01	.66414212+00
.41451565+00	.15436681+01	.29258060+00	.15413630+01	.67821586+00
.41887897+00	.15443119+01	.28928303+00	.15558142+01	.69269302+00
.42324229+00	.15449871+01	.28602567+00	.15708060+01	.70759639+00
.42760561+00	.15456935+01	.28280578+00	.15863699+01	.72295029+00
.43196893+00	.15464306+01	.27962068+00	.16025407+01	.73878127+00
.43633226+00	.15471983+01	.27646274+00	.16193562+01	.75511809+00
.44069558+00	.15479963+01	.27334435+00	.16368578+01	.77199213+00
.44505890+00	.15488247+01	.27024792+00	.16550909+01	.78943771+00
.44854955+00	.15495094+01	.26778848+00	.16702369+01	.80383059+00
.45204021+00	.15502137+01	.26534317+00	.16859104+01	.81863395+00
.45553087+00	.15509377+01	.26291081+00	.17021414+01	.83387031+00
.45902152+00	.15516818+01	.26049302+00	.17189622+01	.84956390+00
.46251218+00	.15524460+01	.25807938+00	.17364084+01	.86574116+00
.46600284+00	.15532303+01	.25567749+00	.17545184+01	.88243066+00
.46949349+00	.15540366+01	.25328293+00	.17733340+01	.89966353+00
.47298415+00	.15548637+01	.25089416+00	.17929011+01	.91747367+00
.47647481+00	.15557126+01	.24850969+00	.18132700+01	.93589824+00
.47996546+00	.15565840+01	.24612786+00	.18344960+01	.95497799+00
.48258346+00	.15572527+01	.24434226+00	.18510144+01	.96977449+00
.48520145+00	.15579348+01	.24255648+00	.18680772+01	.98492516+00
.48781944+00	.15586305+01	.24076973+00	.18857147+01	.10005422+01
.49043743+00	.15593403+01	.23898126+00	.19039596+01	.10166195+01
.49305541+00	.15600649+01	.23719032+00	.19228476+01	.10331830+01
.49567336+00	.15608050+01	.23539608+00	.19424173+01	.10502607+01
.49829131+00	.15615606+01	.23359744+00	.19627110+01	.10678834+01
.50090906+00	.15623323+01	.23179322+00	.19837734+01	.10860831+01
.50352645+00	.15631205+01	.22998216+00	.20056533+01	.11048948+01

TABLE 148. (Concluded)

$$M_{\infty} = .29999926+01$$

$$\Theta_s = .34906584+00$$

Θ	M_1^*	ψ_1	x	r
.50614384+00	.15639260+01	.22816357+00	.20284092+01	.11243612+01
.50788876+00	.15644730+01	.22694635+00	.20440963+01	.11377239+01
.50963369+00	.15650282+01	.22572490+00	.20602194+01	.11514111+01
.51137862+00	.15655919+01	.22449873+00	.20767997+01	.11654378+01
.51312354+00	.15661644+01	.22326750+00	.20938593+01	.11798200+01
.51486847+00	.15667460+01	.22203073+00	.21114226+01	.11945752+01
.51661339+00	.15673369+01	.22078796+00	.21295157+01	.12097218+01
.51835832+00	.15679376+01	.21953870+00	.21481667+01	.12252799+01
.52010325+00	.15685483+01	.21828238+00	.21674056+01	.12412709+01
.52184817+00	.15691695+01	.21701850+00	.21872654+01	.12577180+01
.52359310+00	.15698015+01	.21574642+00	.22077812+01	.12746463+01
.52446556+00	.15701218+01	.21510710+00	.22182972+01	.12832995+01
.52533802+00	.15704450+01	.21446548+00	.22289920+01	.12920833+01
.52621049+00	.15707711+01	.21382149+00	.22398710+01	.13010018+01
.52708295+00	.15711002+01	.21317501+00	.22509395+01	.13100585+01
.52795541+00	.15714324+01	.21252596+00	.22622036+01	.13192580+01
.52882788+00	.15717678+01	.21187427+00	.22736697+01	.13286043+01
.52970034+00	.15721064+01	.21121980+00	.22853436+01	.13381019+01
.53057280+00	.15724483+01	.21056247+00	.22972324+01	.13477557+01
.53144526+00	.15727937+01	.20990212+00	.23093430+01	.13575706+01
.53231773+00	.15731425+01	.20923870+00	.23216828+01	.13675516+01
.53319019+00	.15734948+01	.20857209+00	.23342597+01	.13777044+01
.53395650+00	.15738512+01	.20798386+00	.23455083+01	.13867680+01

$$.71988732+01 = \Delta S/R$$

$$.31711779+01 = P_s/P_{\infty}$$

$$.19418705+01 = \rho_s/\rho_{\infty}$$

$$.16330533+01 = T_s/T_{\infty}$$

TABLE 149. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 4.0$

u_s	M_∞	θ_s	θ_w	
.82704799+00	.39999903+01	.34916584+00	.48042115+00	
θ	M_1^*	ψ_1	x	r
.34906584+00	.16540650+01	.34916584+00	.13737387+01	.50000000+00
.35255650+00	.16540843+01	.34560801+00	.13833663+01	.50897966+00
.35604715+00	.16541432+01	.34221331+00	.13932691+01	.51815210+00
.35953781+00	.16542384+01	.33887816+00	.14034684+01	.52752532+00
.36302847+00	.16543689+01	.33559915+00	.14139468+01	.53710795+00
.36651912+00	.16545333+01	.33237311+00	.14247473+01	.54690921+00
.37000978+00	.16547304+01	.32919699+00	.14358742+01	.55693884+00
.37350044+00	.16549591+01	.32606793+00	.14473424+01	.56720724+00
.37699109+00	.16552183+01	.32298318+00	.14591680+01	.57772543+00
.38048175+00	.16555072+01	.31994312+00	.14713683+01	.58850527+00
.38397241+00	.16558249+01	.31693622+00	.14839619+01	.59955948+00
.38746306+00	.16561707+01	.31396908+00	.14969687+01	.61090156+00
.39095372+00	.16565441+01	.31103633+00	.15104100+01	.62254601+00
.39444438+00	.16569445+01	.30813571+00	.15243089+01	.63450848+00
.39793503+00	.16573714+01	.30526498+00	.15386903+01	.64680579+00
.40142569+00	.16578245+01	.30242199+00	.15535811+01	.65945598+00
.40491638+00	.16583033+01	.30030666+00	.15651010+01	.66918696+00
.40666167+00	.16585525+01	.29820483+00	.15769370+01	.67913631+00
.40927967+00	.16589381+01	.29611562+00	.15891032+01	.68931332+00
.41187766+00	.16593381+01	.29403815+00	.16016146+01	.69972812+00
.41451565+00	.16597524+01	.29197154+00	.16144871+01	.71039122+00
.41713364+00	.16601810+01	.28991490+00	.16277377+01	.72131398+00
.41973164+00	.16606240+01	.28786735+00	.16413850+01	.73250858+00
.42236963+00	.16610813+01	.28582800+00	.16554485+01	.74398793+00
.42498762+00	.16615532+01	.28379595+00	.16699490+01	.75576589+00
.42760561+00	.16620397+01	.28177026+00	.16849093+01	.76785729+00
.43022361+00	.16625410+01	.27975001+00	.17003538+01	.78027820+00
.43284160+00	.16630572+01	.27773426+00	.17163086+01	.79304578+00
.43545959+00	.16635885+01	.27572200+00	.17328022+01	.80617858+00
.43807758+00	.16641352+01	.27371224+00	.17498653+01	.81969666+00
.44069558+00	.16646977+01	.27170392+00	.17675312+01	.83362168+00
.44244090+00	.16650815+01	.27036533+00	.17796611+01	.84314267+00
.44418823+00	.16654725+01	.26902657+00	.17920865+01	.85286239+00
.44593156+00	.16658709+01	.26768726+00	.18048197+01	.86278880+00
.44767689+00	.16662767+01	.26634714+00	.18178735+01	.87293027+00
.44942220+00	.16666907+01	.26500587+00	.18312617+01	.88329559+00
.45116749+00	.16671125+01	.26366305+00	.18449989+01	.89389421+00
.45291279+00	.16675423+01	.26231821+00	.18591009+01	.90473627+00
.45465809+00	.16679802+01	.26097099+00	.18735843+01	.91583249+00
.45640339+00	.16684263+01	.25962091+00	.18884669+01	.92719427+00

TABLE 149. (Concluded)

$$M_3 = .39999903+01$$

$$\Theta_2 = .34906564+00$$

θ	M_1^*	ψ_1	x	r
45814869+00	16688809+01	25826756+00	19037677+01	93883378+00
45987399+00	16693442+01	25691044+00	19195072+01	95076404+00
46163929+00	16698164+01	25554911+00	19357072+01	96299907+00
46333458+00	16702979+01	25418303+00	19523911+01	97555371+00
46512988+00	16707888+01	25281161+00	19695845+01	98844427+00
46687518+00	16712894+01	25143434+00	19873143+01	10016879+01
46774783+00	16715434+01	25074334+00	19963897+01	10084479+01
46862048+00	16718001+01	25005060+00	20056103+01	10153034+01
46947313+00	16720593+01	24935611+00	20149803+01	10222567+01
47034578+00	16723212+01	24865974+00	20245042+01	10293108+01
47123843+00	16725859+01	24796143+00	20341861+01	10364684+01
47211108+00	16728532+01	24726106+00	20440308+01	10437323+01
47298373+00	16731234+01	24655855+00	20540430+01	10511056+01
47386637+00	16733964+01	24585382+00	20642278+01	10585915+01
47472902+00	16736723+01	24514675+00	20745902+01	10661931+01
47560167+00	16739512+01	24443726+00	20851361+01	10739142+01
47647432+00	16742332+01	24372520+00	20958709+01	10817581+01
47734697+00	16745182+01	24301046+00	21068007+01	10897287+01
47821962+00	16748064+01	24229297+00	21179318+01	10978299+01
47907227+00	16750979+01	24157256+00	21292710+01	11060660+01
47996492+00	16753927+01	24084916+00	21408248+01	11144411+01
48042115+00	16755482+01	24046970+00	21469532+01	11188766+01

• 19716164+00 = ΔS/R

46522403+01 = P_s/P_∞

$$+23245+40+01 = p_s/p_{s_0}$$

*20013362+01 = T_S/T_S

TABLE 150. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 5.0$

u_s	M_∞	θ_s	θ_w	
.85803021+00	.49999844+01	.34906584+00	.45427043+00	
θ	M_1^*	ψ_1	x	r
.34906584+00	.17160282+01	.34906584+00	.13737387+01	.50000000+00
.35299283+00	.17160543+01	.34518015+00	.13866506+01	.51087512+00
.35691982+00	.17161307+01	.34137293+00	.14000351+01	.52205957+00
.36084681+00	.17162549+01	.33763832+00	.14139185+01	.53357035+00
.36477380+00	.17164250+01	.33397086+00	.14283296+01	.54542601+00
.36870078+00	.17166390+01	.33036542+00	.14432996+01	.55764657+00
.37219144+00	.17168650+01	.32720873+00	.14571031+01	.56883328+00
.37568210+00	.17171234+01	.32409396+00	.14714011+01	.58034205+00
.37917275+00	.17174136+01	.32101801+00	.14862220+01	.59219085+00
.38266341+00	.17177348+01	.31797786+00	.15015965+01	.60439907+00
.38615407+00	.17180864+01	.31497061+00	.15175579+01	.61698777+00
.38920839+00	.17184185+01	.31236399+00	.15320341+01	.62833293+00
.39226272+00	.17187733+01	.30977850+00	.15470140+01	.64000343+00
.39531704+00	.17191505+01	.30721229+00	.15625264+01	.65201731+00
.39837136+00	.17195500+01	.30466349+00	.15786025+01	.66439396+00
.40142569+00	.17199718+01	.30213029+00	.15952760+01	.67715440+00
.40440436+00	.17203510+01	.29996999+00	.16100710+01	.68841470+00
.40666167+00	.17207466+01	.29781861+00	.16253574+01	.69998942+00
.40927967+00	.17211587+01	.29567497+00	.16411624+01	.71189532+00
.41189766+00	.17215873+01	.29353787+00	.16575156+01	.72415065+00
.41451565+00	.17220326+01	.29140608+00	.16744489+01	.73677507+00
.41669731+00	.17224167+01	.28963273+00	.16890282+01	.74759267+00
.41887897+00	.17228127+01	.28786143+00	.17040566+01	.75869476+00
.42106063+00	.17232208+01	.28609142+00	.17195574+01	.77009570+00
.42324229+00	.17236410+01	.28432190+00	.17355558+01	.78181080+00
.42542395+00	.17240738+01	.28255204+00	.17520795+01	.79385677+00
.42716928+00	.17244292+01	.28113533+00	.17656962+01	.80374373+00
.42891459+00	.17247933+01	.27971750+00	.17796840+01	.81386366+00
.43065989+00	.17251661+01	.27829802+00	.17940604+01	.82422714+00
.43240518+00	.17255475+01	.27687634+00	.18088441+01	.83484542+00
.43415048+00	.17259377+01	.27545196+00	.18240550+01	.84573060+00
.43545946+00	.17262362+01	.27438159+00	.18357566+01	.85407736+00
.43676843+00	.17265398+01	.27330915+00	.18477200+01	.86258724+00
.43807741+00	.17268487+01	.27223442+00	.18599557+01	.87126637+00
.43938638+00	.17271630+01	.27115713+00	.18724743+01	.88012117+00
.44069535+00	.17274827+01	.27007702+00	.18852872+01	.88915852+00
.44156800+00	.17276989+01	.26935524+00	.18939987+01	.89528839+00
.44244065+00	.17279177+01	.26863201+00	.19028501+01	.90150481+00
.44331330+00	.17281389+01	.26790724+00	.19118454+01	.90781014+00
.44418595+00	.17283628+01	.26718081+00	.19209886+01	.91420684+00

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$$\Theta_s = .34906584 + 00$$

1952-1953

u_s	M_∞	θ_s	θ_w	
.87625138+00	.59999865+01	.34936584+00	.43956962+00	
θ	M^*_1	ψ_1	π	F
.34906584+00	.17524699+01	.34906584+00	.13737387+01	.50000000+00
.35255650+00	.17524910+01	.34560782+00	.13865329+01	.51014476+00
.35604715+00	.17525529+01	.34221183+00	.13997785+01	.52057295+00
.35953781+00	.17526539+01	.33987324+00	.14135001+01	.53129975+00
.36302847+00	.17527925+01	.33558771+00	.14277246+01	.54234166+00
.36651912+00	.17529673+01	.33235114+00	.14424808+01	.55371647+00
.37000978+00	.17531773+01	.32915962+00	.14578006+01	.56544355+00
.37306410+00	.17533891+01	.32640106+00	.14716950+01	.57601029+00
.37611943+00	.17536265+01	.32367173+00	.14860723+01	.58687797+00
.37917275+00	.17538891+01	.32096929+00	.15009598+01	.59806317+00
.38222708+00	.17541763+01	.31829195+00	.15163871+01	.60958363+00
.38528140+00	.17544800+01	.31563596+00	.15323863+01	.62145877+00
.38833573+00	.17548238+01	.31300062+00	.15489924+01	.63370944+00
.39095372+00	.17551308+01	.31075612+00	.15663780+01	.64645262+00
.39357171+00	.17554554+01	.30852342+00	.15789835+01	.65965123+00
.39618970+00	.17557976+01	.30630112+00	.15947573+01	.66710135+00
.39880770+00	.17561574+01	.30408703+00	.16110900+01	.67889478+00
.40142569+00	.17565349+01	.30188211+00	.16280150+01	.69105127+00
.40404368+00	.17569303+01	.29968254+00	.16455687+01	.70359236+00
.40662534+00	.17572735+01	.29785117+00	.16607054+01	.71435379+00
.40840700+00	.17576294+01	.29602616+00	.16763311+01	.72541317+00
.41058866+00	.17579981+01	.29420058+00	.16924729+01	.73678633+00
.41277032+00	.17583798+01	.29237551+00	.17091599+01	.74849040+00
.41495198+00	.17587748+01	.29054997+00	.17264235+01	.76054373+00
.41713363+00	.17591836+01	.28872300+00	.17442981+01	.77296641+00
.41887893+00	.17595210+01	.28725968+00	.17590628+01	.78318503+00
.42062423+00	.17598673+01	.28579418+00	.17742634+01	.79366612+00
.42236952+00	.17602229+01	.28432589+00	.17899223+01	.80442265+00
.42411482+00	.17605870+01	.28285422+00	.18060634+01	.81546849+00
.42586012+00	.17609623+01	.28137853+00	.18227127+01	.82681867+00
.42760542+00	.17613467+01	.27999813+00	.18398982+01	.83848935+00
.42891439+00	.17616416+01	.27878430+00	.18531575+01	.84746324+00
.43022337+00	.17619424+01	.27766707+00	.18667493+01	.85663518+00
.43153234+00	.17622491+01	.27654617+00	.18806881+01	.86601357+00
.43284132+00	.17625619+01	.27542118+00	.18949888+01	.87560741+00
.43415029+00	.17628810+01	.27429175+00	.19096708+01	.88542627+00
.43545926+00	.17632065+01	.27315751+00	.19247490+01	.89548024+00
.43633191+00	.17634271+01	.27239848+00	.19350315+01	.90231907+00
.43720456+00	.17636507+01	.27163699+00	.19455509+01	.90927062+00
.43807721+00	.17638775+01	.27087293+00	.19561756+01	.91633859+00
.43894986+00	.17641073+01	.27010615+00	.19670503+01	.92352670+00
.43956962+00	.17642724+01	.26955985+00	.19749012+01	.92870688+00

.58076409+00 = $\Delta S/R$
.88557160+01 = P_g/P_∞
.29338018+01 = ρ_g/ρ_∞
.30185122+01 = T_g/T_∞

USUAL LIMIT

EXTREME LIMIT

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TABLE 152. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 8.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.89548113+00	.79999573+01	.34906584+00	.42453192+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.34906584+00	.17909287+01	.34906584+00	.13737387+01	.50000000+00
.35124750+00	.17909372+01	.34689702+00	.13827577+01	.50670170+00
.35342916+00	.17909622+01	.34475295+00	.13919938+01	.51353359+00
.35561082+00	.17910034+01	.34263230+00	.14014549+01	.52050041+00
.35779248+00	.17910602+01	.34053377+00	.14111499+01	.52760729+00
.35997414+00	.17911324+01	.33845613+00	.14210877+01	.53485949+00
.36215580+00	.17912196+01	.33639819+00	.14312779+01	.54226266+00
.36433746+00	.17913214+01	.33435879+00	.14417309+01	.54982276+00
.36651912+00	.17914377+01	.33233681+00	.14524575+01	.55754615+00
.36870078+00	.17915682+01	.33033117+00	.14634694+01	.56543954+00
.37088244+00	.17917125+01	.32834080+00	.14747787+01	.57351001+00
.37306410+00	.17918707+01	.32636466+00	.14863985+01	.58176513+00
.37480943+00	.17920070+01	.32479331+00	.14959272+01	.58850750+00
.37655476+00	.17921519+01	.32322989+00	.15056712+01	.59537753+00
.37830009+00	.17923054+01	.32167389+00	.15156385+01	.60237984+00
.38004542+00	.17924674+01	.32012482+00	.15258372+01	.60951914+00
.38179075+00	.17926379+01	.31858214+00	.15362765+01	.61680061+00
.38353607+00	.17928168+01	.31704538+00	.15469656+01	.62422956+00
.38528140+00	.17930042+01	.31551400+00	.15579144+01	.63181168+00
.38702673+00	.17932000+01	.31398752+00	.15691336+01	.63955297+00
.38877206+00	.17934042+01	.31246641+00	.15806344+01	.64745981+00
.39051739+00	.17936169+01	.31094716+00	.15924286+01	.65553892+00
.39226272+00	.17938381+01	.30943225+00	.16045287+01	.66379739+00
.39357171+00	.17940095+01	.30829795+00	.16138125+01	.67011350+00
.39488071+00	.17941858+01	.30716500+00	.16232820+01	.67653818+00
.39618970+00	.17943669+01	.30603318+00	.16329433+01	.68307488+00
.39749870+00	.17945529+01	.30490225+00	.16428031+01	.68972743+00
.39880770+00	.17947438+01	.30377198+00	.16528682+01	.69649962+00
.40011669+00	.17949396+01	.30264212+00	.16631460+01	.70339564+00
.40142569+00	.17951404+01	.30151244+00	.16736442+01	.71041974+00
.40273469+00	.17953462+01	.30038266+00	.16843707+01	.71757641+00
.40404368+00	.17955572+01	.29925254+00	.16953341+01	.72487045+00
.40535267+00	.17957734+01	.29812183+00	.17065434+01	.73230691+00
.40666164+00	.17959953+01	.29699028+00	.17180080+01	.73989098+00
.40797062+00	.17962235+01	.29585787+00	.17297278+01	.74750318+00
.40927959+00	.17964548+01	.29472338+00	.17337087+01	.75502425+00
.41058856+00	.17966881+01	.29358781+00	.17417439+01	.75552490+00
.41189754+00	.17969361+01	.29244918+00	.17499068+01	.76088086+00
			.17582009+01	.76631229+00
			.17666299+01	.77182127+00

TABLE 152. (Concluded)

$M_8 = .79999573 + 01$

$\Theta_s = +34906584+00$

θ	M_1	ψ_1	x	r
.41277019+00	.17931015+01	.29168949+00	.17751976+01	.77740991+00
.41364284+00	.17972695+01	.29092836+00	.17839079+01	.78308039+00
.41451549+00	.17974400+01	.29016598+00	.17927650+01	.78883350+00
.41530814+00	.17976131+01	.28940222+00	.18017731+01	.79467614+00
.41626079+00	.17977889+01	.28863699+00	.18109348+01	.80060627+00
.41669711+00	.17978777+01	.28825379+00	.18155785+01	.80360550+00
.41713344+00	.17979673+01	.28787018+00	.18202608+01	.80662801+00
.41756976+00	.17980575+01	.28748614+00	.18249845+01	.80967408+00
.41800608+00	.17981485+01	.28710167+00	.18297501+01	.81274408+00
.41844241+00	.17982401+01	.28671674+00	.18345581+01	.81583830+00
.41887873+00	.17983324+01	.28633134+00	.18394095+01	.81895723+00
.41931506+00	.17984254+01	.28594546+00	.18443048+01	.82210117+00
.41975138+00	.17985191+01	.28555908+00	.18492447+01	.82527053+00
.42016771+00	.17986135+01	.28517218+00	.18542300+01	.82846569+00
.42062403+00	.17987086+01	.28478474+00	.18592613+01	.83168707+00
.42106036+00	.17988045+01	.28439676+00	.18643394+01	.83493504+00
.42149668+00	.17988901+01	.28400822+00	.18694651+01	.83821001+00
.42193301+00	.17989784+01	.28361910+00	.18746391+01	.84151246+00
.42236933+00	.17990765+01	.28322937+00	.18798623+01	.84484281+00
.42280566+00	.17991754+01	.28283903+00	.18851354+01	.84820152+00
.42324198+00	.17992749+01	.28244806+00	.18904594+01	.85158902+00
.42367831+00	.17993753+01	.28205644+00	.18958351+01	.85500585+00
.42411463+00	.17994764+01	.28166414+00	.19012633+01	.85845239+00
.42453192+00	.17995739+01	.28128831+00	.19066047+01	.86177693+00

• 10283006+01 = ΔS/R

• 14725590+02 = P_S/P_∞

• 33280414+01 = ρ_s/ρ_{∞}

$$.44247618 + 01 = T_s/T_{\infty}$$

3
2
1
0

SECRET

CONFIDENTIAL

CLASSIFICATION

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TABLE 153. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 10.0$

u_s	M_∞	θ_s	θ_w	
.90479387+00	.99999574+01	.34906584+00	.41740905+00	
θ	M_1^*	ψ_1	x	r
.34906584+00	.18095538+01	.34906584+00	.13737387+01	.50000000+00
.35081117+00	.18095593+01	.34732875+00	.13814332+01	.50553276+00
.35255650+00	.18095756+01	.34560252+00	.13892834+01	.51115673+00
.35430163+00	.18096024+01	.34390170+00	.13972941+01	.51687474+00
.35604715+00	.18096395+01	.34221326+00	.14054705+01	.52268975+00
.35779248+00	.18096867+01	.34053259+00	.14138180+01	.52860486+00
.35953761+00	.18097439+01	.33886803+00	.14223423+01	.53462330+00
.36128314+00	.18098108+01	.33721590+00	.14310494+01	.54074845+00
.36302847+00	.18098874+01	.33557556+00	.14399455+01	.54678396+00
.36477380+00	.18099733+01	.33394638+00	.14490374+01	.55283354+00
.36651912+00	.18100687+01	.33232775+00	.14583318+01	.55890108+00
.36826445+00	.18101732+01	.33071905+00	.14678362+01	.56639083+00
.37000978+00	.18102868+01	.32911870+00	.14775583+01	.57310707+00
.37175511+00	.18104094+01	.32752910+00	.14875064+01	.57995447+00
.37350044+00	.18105410+01	.32594669+00	.14976889+01	.58693780+00
.37524576+00	.18106815+01	.32437188+00	.15081147+01	.59406214+00
.37699109+00	.18108266+01	.32280542+00	.15186999+01	.59950125+00
.37873642+00	.18109787+01	.32202269+00	.15242316+01	.60502513+00
.37998175+00	.18110297+01	.32085343+00	.15325145+01	.61063627+00
.38048175+00	.18111597+01	.31968741+00	.15409531+01	.61633722+00
.38179075+00	.18112865+01	.31852440+00	.15495525+01	.62213082+00
.38309974+00	.18114223+01	.31736415+00	.15583175+01	.62801978+00
.38440874+00	.18115630+01	.31620642+00	.15672537+01	.63400716+00
.38571773+00	.18117086+01	.31505097+00	.15763666+01	.64009602+00
.38702673+00	.18118591+01	.31389255+00	.15856620+01	.64628967+00
.38833573+00	.18120146+01	.31274592+00	.15951462+01	.65259148+00
.38964472+00	.18121750+01	.31159582+00	.16048256+01	.65900505+00
.39095372+00	.18123404+01	.31044701+00	.16147070+01	.66553412+00
.39226272+00	.18125108+01	.30929923+00	.16247973+01	.67218257+00
.39357171+00	.18126863+01	.30815221+00	.16351044+01	.67895467+00
.39488071+00	.18128669+01	.30700569+00	.16456361+01	.68585472+00
.39575337+00	.18129901+01	.30624149+00	.16527860+01	.69052809+00
.39662604+00	.18131156+01	.30547730+00	.16600421+01	.69526183+00
.39749870+00	.18132434+01	.30471305+00	.16674070+01	.70005734+00
.39837136+00	.18133736+01	.30394866+00	.16748835+01	.70491622+00
.39924403+00	.18135061+01	.30318402+00	.16824744+01	.70984000+00
.40011669+00	.18136411+01	.30241908+00	.16901827+01	.71483028+00
.40098934+00	.18137786+01	.30165373+00	.16980117+01	.71988885+00
.40186198+00	.18139186+01	.30088789+00	.17059646+01	.72501748+00
.40273463+00	.18140610+01	.30012144+00	.17140446+01	.73021798+00

TABLE 153. (Concluded)

$$M_{\infty} = .99999574+01$$

$$\Theta_s = .34906584+00$$

Θ	M_1^*	ψ_1	x	r
.40360728+00	.18142058+01	.29935430+00	.17222553+01	.73549227+00
.40447993+00	.18143531+01	.29856636+00	.17306004+01	.74084235+00
.40535258+00	.18145029+01	.29781754+00	.17390838+01	.74627036+00
.40622523+00	.18146552+01	.29704772+00	.17477093+01	.75177836+00
.40709788+00	.18148101+01	.29627680+00	.17564811+01	.75736865+00
.40797053+00	.18149676+01	.29550466+00	.17654037+01	.76304361+00
.40884085+00	.18150473+01	.29511811+00	.17699229+01	.76591361+00
.40884318+00	.18151277+01	.29473121+00	.17744814+01	.76880567+00
.40927950+00	.18152087+01	.29434396+00	.17790799+01	.77172012+00
.40971583+00	.18152904+01	.29395633+00	.17837190+01	.77465737+00
.41015215+00	.18153728+01	.29356832+00	.17883993+01	.77761766+00
.41058848+00	.18154559+01	.29317990+00	.17931213+01	.78060135+00
.41102480+00	.18155396+01	.29279106+00	.17978859+01	.78360882+00
.41146113+00	.18156241+01	.29240179+00	.18026937+01	.78664044+00
.41189745+00	.18157092+01	.29201207+00	.18075453+01	.78969657+00
.41233378+00	.18157950+01	.29162188+00	.18124413+01	.79277751+00
.41277010+00	.18158816+01	.29123120+00	.18173826+01	.79588377+00
.41320642+00	.18159688+01	.29084003+00	.18223700+01	.79901569+00
.41364275+00	.18160567+01	.29044835+00	.18274040+01	.80217366+00
.41407907+00	.18161454+01	.29005613+00	.18324855+01	.80535807+00
.41451540+00	.18162349+01	.28966336+00	.18376153+01	.80856942+00
.41495172+00	.18163250+01	.28927003+00	.18427942+01	.81180811+00
.41538805+00	.18164159+01	.28887610+00	.18480230+01	.81507457+00
.41582437+00	.18165075+01	.28848157+00	.18533025+01	.81836924+00
.41626070+00	.18166000+01	.28808642+00	.18586338+01	.82169266+00
.41669702+00	.18166931+01	.28769062+00	.18640174+01	.82504518+00
.41713335+00	.18167870+01	.28729416+00	.18694545+01	.82842743+00
.41740905+00	.18168468+01	.28704328+00	.18729180+01	.83058009+00

$$.14687875+01 = \Delta S/R$$

$$.22267416+02 = P_s/P_{\infty}$$

$$.35762145+01 = \rho_s/\rho_{\infty}$$

$$.62265326+01 = T_s/T_{\infty}$$

TABLE 154. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 12.5$

u_s	M_∞	θ_s	θ_w	
.91090064+00	.12499986+02	.34906584+00	.41279072+00	
θ	M^*	ψ_1	x	r
	1	1		
.34906584+00	.18217671+01	.34906584+00	.13737387+01	.50000000+00
.35081117+00	.18217726+01	.34732874+00	.13017970+01	.50566589+00
.35255650+00	.18217890+01	.34560756+00	.13900247+01	.51142948+00
.35430183+00	.18218160+01	.34390150+00	.13984273+01	.51729393+00
.35604715+00	.18218534+01	.34220979+00	.14070106+01	.52326255+00
.35779249+00	.18219010+01	.34053169+00	.14157810+01	.52933881+00
.35953781+00	.18219585+01	.33886648+00	.14247449+01	.53552639+00
.36128314+00	.18220260+01	.33721345+00	.14339092+01	.54182909+00
.36302847+00	.18221031+01	.33557194+00	.14432810+01	.54825097+00
.36477380+00	.18221897+01	.33394125+00	.14528681+01	.55479634+00
.36651912+00	.18222858+01	.33232075+00	.14626783+01	.56146955+00
.36826445+00	.18223912+01	.33070979+00	.14727203+01	.56827542+00
.37000978+00	.18225058+01	.32910774+00	.14830030+01	.57521890+00
.37175511+00	.18226296+01	.32751396+00	.14935359+01	.58230528+00
.37350044+00	.18227624+01	.32592785+00	.15043291+01	.58954008+00
.37524576+00	.18229042+01	.32434878+00	.15153931+01	.59692919+00
.37699109+00	.18230560+01	.32278673+00	.15267357+01	.60457602+00
.37873642+00	.18232188+01	.32124104+00	.15383521+01	.61249333+00
.38048175+00	.18233936+01	.31971171+00	.15502373+01	.62068661+00
.38222708+00	.18235804+01	.31819855+00	.15623875+01	.62916264+00
.38397241+00	.18237792+01	.31670100+00	.15748035+01	.63792610+00
.38571774+00	.18239900+01	.31521849+00	.15874823+01	.64698173+00
.38746307+00	.18242128+01	.31375133+00	.15994208+01	.65633635+00
.38920840+00	.18244476+01	.31230091+00	.16116243+01	.66599639+00
.39095372+00	.18246944+01	.31086663+00	.16240995+01	.67596460+00
.39269905+00	.18249532+01	.30944882+00	.16368422+01	.68623370+00
.39444438+00	.18252240+01	.30804693+00	.16498483+01	.69680818+00
.39618971+00	.18255068+01	.30666133+00	.16631223+01	.70769342+00
.39793504+00	.18258016+01	.30529143+00	.16766695+01	.71889384+00
.39968037+00	.18261084+01	.30393753+00	.16904853+01	.73041315+00
.40142570+00	.18264272+01	.30259903+00	.17045739+01	.74225537+00
.40317103+00	.18267580+01	.30127633+00	.17189389+01	.75442352+00
.40491636+00	.18271008+01	.30006978+00	.17335841+01	.76692083+00
.40666169+00	.18274556+01	.29887963+00	.17485133+01	.77975156+00
.40840702+00	.18278224+01	.29770533+00	.17637303+01	.79291983+00
.41015235+00	.18282012+01	.29654723+00	.17792483+01	.80642983+00
.41189768+00	.18285920+01	.29540473+00	.17950713+01	.82028583+00
.41364301+00	.18289948+01	.29427723+00	.18112133+01	.83449283+00
.41538834+00	.18294096+01	.29316413+00	.18276793+01	.84905583+00
.41713367+00	.18298364+01	.29206583+00	.18444753+01	.86398083+00
.41887900+00	.18302752+01	.29108273+00	.18616073+01	.87927283+00
.42062433+00	.18307260+01	.29011433+00	.18790813+01	.89493683+00
.42236966+00	.18311888+01	.28916013+00	.18969033+01	.91097683+00
.42411499+00	.18316636+01	.28822073+00	.19150813+01	.92739683+00
.42586032+00	.18321504+01	.28729673+00	.19336213+01	.94419283+00
.42760565+00	.18326492+01	.28638773+00	.19525293+01	.96136983+00
.42935098+00	.18331600+01	.28549333+00	.19718113+01	.97892283+00
.43109631+00	.18336828+01	.28461313+00	.19914733+01	.99685683+00
.43284164+00	.18342176+01	.28374773+00	.20115213+01	.10121683+01
.43458697+00	.18347644+01	.28289673+00	.20319693+01	.10560683+01
.43633230+00	.18353232+01	.28206073+00	.20528133+01	.11003183+01
.43807763+00	.18358940+01	.28123933+00	.20740593+01	.11459683+01
.43982296+00	.18364768+01	.28043213+00	.20957113+01	.11930683+01
.44156829+00	.18370716+01	.27963873+00	.21177753+01	.12415683+01
.44331362+00	.18376784+01	.27885873+00	.21402573+01	.12915183+01
.44505895+00	.18382972+01	.27809273+00	.21631633+01	.13429683+01
.44680428+00	.18389280+01	.27734033+00	.21864993+01	.13959683+01
.44854961+00	.18395708+01	.27660113+00	.22102713+01	.14504683+01
.45029494+00	.18402256+01	.27587473+00	.22344853+01	.15065183+01
.45204027+00	.18408924+01	.27516173+00	.22591473+01	.15641683+01
.45378560+00	.18415712+01	.27446273+00	.22842633+01	.16234683+01
.45553093+00	.18422620+01	.27377733+00	.23098393+01	.16844683+01
.45727626+00	.18429648+01	.27310513+00	.23358813+01	.17471283+01
.45902159+00	.18436796+01	.27244573+00	.23623953+01	.18114983+01
.46076692+00	.18444064+01	.27180873+00	.23893873+01	.18776283+01
.46251225+00	.18451452+01	.27118373+00	.24168633+01	.19454683+01
.46425758+00	.18458960+01	.27057033+00	.24448293+01	.20150683+01
.46600291+00	.18466588+01	.26996813+00	.24732913+01	.20864683+01
.46774824+00	.18474336+01	.26937673+00	.25022553+01	.21597283+01
.46949357+00	.18482204+01	.26879673+00	.25317273+01	.22348983+01
.47123890+00	.18490192+01	.26822773+00	.25617033+01	.23119483+01
.47298423+00	.18498300+01	.26766933+00	.25921893+01	.23908483+01
.47472956+00	.18506528+01	.26712113+00	.26231913+01	.24715483+01
.47647489+00	.18514876+01	.26658273+00	.26547153+01	.25540083+01
.47822022+00	.18523344+01	.26605473+00	.26867673+01	.26382883+01
.47996555+00	.18531932+01	.26553673+00	.27193533+01	.27244483+01
.48171088+00	.18540640+01	.26502833+00	.27524793+01	.28125483+01
.48345621+00	.18549468+01	.26452913+00	.27861513+01	.29026483+01
.48520154+00	.18558416+01	.26403873+00	.28203753+01	.29947983+01
.48694687+00	.18567484+01	.26355673+00	.28551573+01	.30889483+01
.48869220+00	.18576672+01	.26308273+00	.28904953+01	.31851483+01
.49043753+00	.18585980+01	.26261633+00	.29263953+01	.32834483+01
.49218286+00	.18595408+01	.26215813+00	.29628633+01	.33838983+01
.49392819+00	.18604956+01	.26170773+00	.30000053+01	.34864483+01
.49567352+00	.18614624+01	.26126473+00	.30378253+01	.35910483+01
.49741885+00	.18624412+01	.26082873+00	.30763393+01	.36977483+01
.49916418+00	.18634320+01	.26039933+00	.31155533+01	.38065983+01
.50090951+00	.18644348+01	.26007613+00	.31554733+01	.39176483+01
.50265484+00	.18654496+01	.25975873+00	.31961053+01	.40309483+01
.50440017+00	.18664764+01	.25944773+00	.32374553+01	.41465483+01
.50614550+00	.18675152+01	.25914273+00	.32795293+01	.42644983+01
.50789083+00	.18685660+01	.25884333+00	.33223333+01	.43848483+01
.50963616+00	.18696288+01	.25854913+00	.33658733+01	.45076483+01
.51138149+00	.18707036+01	.25826073+00	.34101533+01	.46329483+01
.51312682+00	.18717904+01	.25797773+00	.34551793+01	.47607983+01
.51487215+00	.18728892+01	.25769973+00	.35009573+01	.48912483+01
.51661748+00	.18739996+01	.25742633+00	.35474933+01	.50243483+01
.51836281+00	.18751216+01	.25715713+00	.35947933+01	.51600483+01
.52010814+00	.18762552+01	.25689173+00	.36428633+01	.52984083+01
.52185347+00	.18774004+01	.25663073+00	.36917093+01	.54394883+01
.52359880+00	.18785572+01	.25637373+00	.37413373+01	.55832483+01
.52534413+00	.18797256+01	.25612033+00	.37917533+01	.57297483+01
.52708946+00	.18809056+01	.25587013+00	.38429633+01	.58789483+01
.52883479+00	.18820972+01	.25562273+00	.38949733+01	.60308983+01
.53058012+00	.18833004+01	.25537873+00	.39477893+01	.61855483+01
.53232545+00	.18845152+01	.25513873+00	.40014173+01	.63429483+01
.53407078+00	.18857416+01	.25490233+00	.40558633+01	.65031483+01
.53581611+00	.18869796+01	.25466913+00	.41111333+01	.66661983+01
.53756144+00	.18882292+01	.25443873+00	.41672333+01	.68321483+01
.53930677+00	.18894904+01	.25421173+00	.42241693+01	.69999483+01
.54105210+00	.18907632+01	.25398773+00	.42819473+01	.71705483+01
.54279743+00	.18920476+01	.25376633+00	.43405733+01	.73439983+01
.54454276+00	.18933436+01	.25354713+00	.43999533+01	.75203483+01
.54628809+00	.18946512+01	.25333073+00	.44600933+01	.76995483+01
.54803342+00	.18959704+01	.25311673+00	.45210093+01	.78816483+01
.54977875+00	.18973012+01	.25290573+00	.45827073+01	.80665983+01
.55152408+00	.18986436+01	.25269733+00	.46451933+01	.82544483+01
.55326941+00	.18999976+01	.25249113+00	.47084733+01	.84451483+01
.55501474+00	.19013632+01	.25228673+00	.47725533+01	.86387483+01
.55676007+00	.19027404+01	.25208473+00	.48374393+01	.88351983+01
.55850540+00	.19041292+01	.25188473+00	.49031373+01	.90345483+01
.56025073+00	.19055296+01	.25168633+00	.49696533+01	.92368483+01
.56199606+00	.19069416+01	.25148913+00	.50369893+01	.94421483+01
.56374139+00	.19083652+01	.25129373+00	.51051413+01	.96504983+01
.56548672+00	.19098004+01	.25110073+00	.51741053+01	.98618483+01
.56723205+00	.19112472+01	.25090973+00	.52438873+01	.10055483+02
.56897738+00	.19127056+01	.25072033+00	.53144853+01	.10516483+02
.57072271+00	.19141756+01	.25053213+00	.53858953+01	.11001983+02
.57246804+00	.19156572+01	.25034573+00	.54581253+01	.11512483+02
.57421337+00	.19171504+01	.25016073+00	.55311813+01	.12048483+02
.57595870+00	.19186552+01	.25007773+00	.56050693+01	.12609483+02
.57770403+00	.19201716+01	.24989633+00	.56797953+01	.13195983+02
.57944936+00	.19216996+01	.24971613+00	.57553653+01	.13808483+02
.58119469+00	.19232392+01	.24953773+00	.58317853+01	.14447483+02
.58293999+00	.19247904+01	.24936073+00	.59090613+01	.15112483+02
.58468532+00	.19263532+01	.24918573+00	.59871993+01	.15804483+02
.58643065+00	.19279276+01	.24901233+00	.60672053+01	.16522983+02
.58817598+00	.19295136+01	.24884013+00	.61490853+01	.17268483+02
.58992131+00	.19311112+01	.24866873+00	.62318353+01	.18041483+02
.59166664+00	.19327204+01	.24849873+00	.63154613+01	.18842483+02
.59341197+00	.19343412+01	.24832973+00	.63999693+01	.19671983+02
.59515730+00	.19359736+01	.24816133+00	.64853653+01	.20530483+0

TABLE 154. (Concluded)

$$M_3 = 0.12499986 + 0.02$$

$$\Theta = .34906584 + 00$$

θ	M_1^*	ψ_1	x	r
40360722+00	18264883+01	29913453+00	17458029+01	74554820+00
40447987+00	18266391+01	29835695+00	17549179+01	75125217+00
40535252+00	18267927+01	29757599+00	17641955+01	75704608+00
40622517+00	18269489+01	29679352+00	17736408+01	76293270+00
40709782+00	18271079+01	29600241+00	17832590+01	76891477+00
40797047+00	18272696+01	29522353+00	17930558+01	77499530+00
40840679+00	18273516+01	29482988+00	17980230+01	77807347+00
40884312+00	18274342+01	29443574+00	18030369+01	78117742+00
40927944+00	18275176+01	29404109+00	18080985+01	78430755+00
40971577+00	18276017+01	29364591+00	18132085+01	78746435+00
41015209+00	18276865+01	29325019+00	18183677+01	79064816+00
41058842+00	18277720+01	29285390+00	18235769+01	79385947+00
41102474+00	18278583+01	29245701+00	18288371+01	79709876+00
41146107+00	18279453+01	29205954+00	18341490+01	80036645+00
41189739+00	18280331+01	29166143+00	18395137+01	80366309+00
41233372+00	18281217+01	29126268+00	18449319+01	80698906+00
41277004+00	18282110+01	29086327+00	18504047+01	81034493+00
41279072+00	18282152+01	29084432+00	18506654+01	81050473+00

•19757473+01 = AS/R

04040603+02 = P₃/P₂

$$37671151 \pm 01 = \rho_s / \rho_{\text{ref}}$$

.90383922+01 = T_s/T_∞

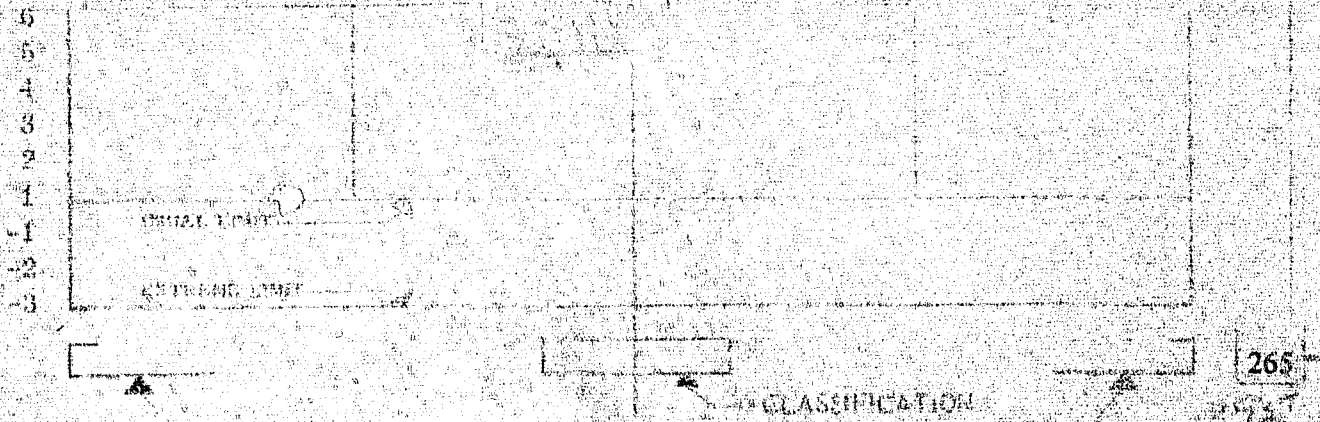


TABLE 155. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 15.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.91426759+00	.14999998+02	.34906584+00	.41026139+00	
$\underline{\theta}$	\underline{M}^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.34906584+00	.18285009+01	.34906584+00	.13737387+01	.50000000+00
.35037464+00	.18285040+01	.34776149+00	.13799279+01	.50429924+00
.35166383+00	.18285133+01	.34646619+00	.13862163+01	.50865524+00
.35299283+00	.18285287+01	.34517860+00	.13926063+01	.51306932+00
.35430183+00	.18285500+01	.34390137+00	.13991005+01	.51754298+00
.35561082+00	.18285772+01	.34263117+00	.14057017+01	.52207768+00
.35691982+00	.18286102+01	.34136868+00	.14124126+01	.52667499+00
.35822881+00	.18286488+01	.34011856+00	.14192362+01	.53133657+00
.35953781+00	.18286931+01	.33886553+00	.14261754+01	.53606405+00
.36084681+00	.18287429+01	.33762826+00	.14332334+01	.54086920+00
.36215580+00	.18287983+01	.33638946+00	.14404135+01	.54572383+00
.36346480+00	.18288591+01	.33516084+00	.14477192+01	.55065985+00
.36477380+00	.18289252+01	.33393811+00	.14551539+01	.55566923+00
.36608279+00	.18289967+01	.33272098+00	.14627214+01	.56075394+00
.36739179+00	.18290735+01	.33150917+00	.14704256+01	.56591622+00
.36870078+00	.18291566+01	.33030240+00	.14782704+01	.57115823+00
.37000978+00	.18292429+01	.32910040+00	.14862602+01	.57648230+00
.37131878+00	.18293353+01	.32790288+00	.14943993+01	.58189085+00
.37262777+00	.18294329+01	.32670959+00	.15026923+01	.58738641+00
.37393677+00	.18295356+01	.32552024+00	.15111441+01	.59297159+00
.37524576+00	.18296435+01	.32433457+00	.15197576+01	.59864917+00
.37655476+00	.18297564+01	.32315231+00	.15285442+01	.60442203+00
.37786376+00	.18298744+01	.32197318+00	.15375033+01	.61029316+00
.37917275+00	.18299976+01	.32079692+00	.15466429+01	.61626577+00
.38048175+00	.18301258+01	.31962325+00	.15559689+01	.62234312+00
.38179075+00	.18302591+01	.31845190+00	.15654880+01	.62852877+00
.38266341+00	.18303508+01	.31767215+00	.15719444+01	.63271441+00
.38353607+00	.18304448+01	.31689323+00	.15784916+01	.63695092+00
.38440674+00	.18305411+01	.31611504+00	.15851317+01	.64123943+00
.38528140+00	.18306396+01	.31533752+00	.15918670+01	.64558116+00
.38615607+00	.18307405+01	.31456057+00	.15986997+01	.64997730+00
.38702673+00	.18308436+01	.31378410+00	.16056323+01	.65442921+00
.38789940+00	.18309491+01	.31300804+00	.16126671+01	.65893818+00
.38877206+00	.18310568+01	.31223229+00	.16198068+01	.66350562+00
.38964472+00	.18311670+01	.31145676+00	.16270542+01	.66813298+00
.39051739+00	.18312794+01	.31068137+00	.16344117+01	.67282169+00
.39139005+00	.18313942+01	.30990602+00	.16418823+01	.67757326+00
.39226272+00	.18315113+01	.30913062+00	.16494692+01	.68238940+00
.39313538+00	.18316309+01	.30835507+00	.16571754+01	.68727173+00
.39400804+00	.18317529+01	.30757928+00	.16650039+01	.69222192+00

TABLE 155. (Concluded)

$$M_{\infty} = .14999998+02$$

$$\Theta_s = .34906584+00$$

Θ	M_1^*	ψ_1	x	r
.39488070+00	.18318774+01	.30680317+00	.16729581+01	.69724176+00
.39575335+00	.18320046+01	.30602663+00	.16810416+01	.70233312+00
.39662600+00	.18321342+01	.30524955+00	.16892578+01	.70749791+00
.39749865+00	.18322663+01	.30447182+00	.16976107+01	.71273819+00
.39837130+00	.18324010+01	.30369335+00	.17061042+01	.71805608+00
.39924395+00	.18325382+01	.30291401+00	.17147424+01	.72345374+00
.40011660+00	.18326779+01	.30213370+00	.17235296+01	.72893351+00
.40098925+00	.18328202+01	.30135230+00	.17324703+01	.73449771+00
.40186189+00	.18329652+01	.30056969+00	.17415690+01	.74014881+00
.40273454+00	.18331129+01	.29978576+00	.17508307+01	.74588942+00
.40360719+00	.18332632+01	.29900037+00	.17602604+01	.75172222+00
.40448352+00	.18333944+01	.29820710+00	.17698400+01	.75764411+00
.40447984+00	.18334163+01	.29821340+00	.17698436+01	.75765011+00
.40491617+00	.18334938+01	.29781928+00	.17747320+01	.76065066+00
.40535249+00	.18335721+01	.29742472+00	.17796459+01	.76367606+00
.40578882+00	.18336510+01	.29702969+00	.17846060+01	.76672673+00
.40622514+00	.18337307+01	.29663417+00	.17896131+01	.76980310+00
.40666147+00	.18338111+01	.29623817+00	.17946680+01	.77290560+00
.40709779+00	.18338922+01	.29584164+00	.17997714+01	.77603458+00
.40753412+00	.18339740+01	.29544458+00	.18049242+01	.77919052+00
.40797044+00	.18340566+01	.29504697+00	.18101271+01	.78237382+00
.40840676+00	.18341399+01	.29464878+00	.18153812+01	.78558498+00
.40884309+00	.18342240+01	.29425000+00	.18206872+01	.78882442+00
.40927941+00	.18343088+01	.29385060+00	.18260460+01	.79209268+00
.40971574+00	.18343944+01	.29345058+00	.18314586+01	.79539015+00
.41015206+00	.18344808+01	.29304990+00	.18369261+01	.79871751+00
.41026139+00	.18345025+01	.29294840+00	.18383047+01	.79955594+00

$$.24283342+01 = \Delta S/R$$

$$.48446447+02 = P_s/P_{\infty}$$

$$.38840020+01 = \rho_s/\rho_{\infty}$$

$$.12473333+02 = T_s/T_{\infty}$$

CLASSIFICATION

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TABLE 156. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 17.5$

u_s	M_∞	θ_s	θ_w	
.91631514+00	.17500012+02	.34906584+00	.40872904+00	
θ	M^*_1	ψ_1	x	r
.34906584+00	.18325959+01	.34906584+00	.13737387+01	.50000000+00
.35037484+00	.18325990+01	.34776149+00	.13800302+01	.50433664+00
.35168383+00	.18326004+01	.34646619+00	.13864240+01	.50873146+00
.35299283+00	.18326237+01	.34517857+00	.13929226+01	.51318585+00
.35430183+00	.18326451+01	.34390130+00	.13995287+01	.51770135+00
.35561082+00	.18326723+01	.34263102+00	.14062451+01	.52227950+00
.35691982+00	.18327053+01	.34136841+00	.14130748+01	.52692192+00
.35822881+00	.18327441+01	.34011315+00	.14200208+01	.53163034+00
.35953781+00	.18327885+01	.33886491+00	.14270864+01	.53640649+00
.36084681+00	.18328385+01	.33762338+00	.14342747+01	.54125216+00
.36215580+00	.18328939+01	.33638827+00	.14415893+01	.54616930+00
.36346480+00	.18329549+01	.33515926+00	.14490338+01	.55115988+00
.36477380+00	.18330212+01	.33393607+00	.14566119+01	.55622595+00
.36608279+00	.18330929+01	.33271839+00	.14643273+01	.56136960+00
.36739179+00	.18331699+01	.33150595+00	.14721845+01	.56659319+00
.36870078+00	.18332522+01	.33029846+00	.14801876+01	.57189895+00
.37000978+00	.18333397+01	.32909563+00	.14883409+01	.57728935+00
.37131878+00	.18334325+01	.32789718+00	.14966492+01	.58276691+00
.37262777+00	.18335304+01	.32670284+00	.15051173+01	.58833431+00
.37393677+00	.18336335+01	.32551232+00	.15137503+01	.59399427+00
.37524576+00	.18337417+01	.32432835+00	.15225536+01	.59977497+00
.37655476+00	.18338550+01	.32314164+00	.15315328+01	.60560379+00
.37786376+00	.18339735+01	.32196093+00	.15406937+01	.61155956+00
.37917275+00	.18340972+01	.32078292+00	.15500427+01	.61762042+00
.38048175+00	.18342259+01	.31960735+00	.15595858+01	.62378976+00
.38179075+00	.18343598+01	.31843392+00	.15693303+01	.63007143+00
.38266341+00	.18344519+01	.31726268+00	.15759419+01	.63432343+00
.38353607+00	.18345463+01	.31608721+00	.15826484+01	.63862825+00
.38440874+00	.18346431+01	.31492235+00	.15894519+01	.64298709+00
.38528140+00	.18347421+01	.31353107+00	.15963550+01	.64740124+00
.38615407+00	.18348434+01	.31245342+00	.16033699+01	.65187197+00
.38702673+00	.18349471+01	.31137568+00	.16104694+01	.65640074+00
.38789940+00	.18350531+01	.31029772+00	.16176860+01	.66098892+00
.38877206+00	.18351615+01	.31219988+00	.16250126+01	.66563799+00
.38964472+00	.18352722+01	.31142211+00	.16324518+01	.67034847+00
.39051739+00	.18353853+01	.31064435+00	.16400069+01	.67512498+00
.39139005+00	.18355008+01	.30986652+00	.16476806+01	.67996607+00
.39226272+00	.18356186+01	.30908852+00	.16554763+01	.68487455+00
.39313538+00	.18357387+01	.30831824+00	.16633974+01	.68985217+00
.39400803+00	.18358620+01	.30755316+00	.16714472+01	.69490069+00

TABLE 156. (Concluded)

$$M_{\infty} = .17500012+02$$

$$\Theta_s = .34906584+00$$

Θ	M_1^*	ψ_1	x	r
.39488068+00	.18359876+01	.30675254+00	.16796293+01	.70002208+00
.39575333+00	.18361156+01	.30597287+00	.16879476+01	.70521838+00
.39662598+00	.18362462+01	.30519251+00	.16964060+01	.71049169+00
.39749863+00	.18363793+01	.30441135+00	.17050085+01	.71584411+00
.39837128+00	.18365149+01	.30362928+00	.17137595+01	.72127797+00
.39924392+00	.18366532+01	.30284619+00	.17226633+01	.72679558+00
.40011657+00	.18367940+01	.30206195+00	.17317248+01	.73239946+00
.40098922+00	.18369375+01	.30127644+00	.17409485+01	.73809211+00
.40186187+00	.18370837+01	.30048954+00	.17503397+01	.74387625+00
.40273452+00	.18372326+01	.29970112+00	.17599037+01	.74975466+00
.40360717+00	.18373843+01	.29891104+00	.17696460+01	.75573032+00
.40449350+00	.18375392+01	.29811916+00	.17795726+01	.76180635+00
.40537982+00	.18376968+01	.29732551+00	.17896069+01	.76798593+00
.40627114+00	.18378571+01	.29652946+00	.18000034+01	.77427246+00
.40716746+00	.18380202+01	.29573133+00	.18105207+01	.78066947+00
.40806878+00	.18381857+01	.29493080+00	.18212488+01	.78718078+00
.40897510+00	.18383536+01	.29412782+00	.18320751+01	.79293706+00
.40988642+00	.18385238+01	.29332242+00	.18430000+01	.79893706+00
.41080274+00	.18386963+01	.29251462+00	.18540234+01	.80507000+00
.41172406+00	.18388711+01	.29170442+00	.18651454+01	.81133500+00
.41265038+00	.18390482+01	.29089182+00	.18763660+01	.81773200+00
.41358170+00	.18392275+01	.29007682+00	.18876852+01	.82426000+00
.41451802+00	.18394090+01	.28925942+00	.18991030+01	.83092000+00
.41545934+00	.18395927+01	.28843862+00	.19106194+01	.83771200+00
.41640566+00	.18397786+01	.28761442+00	.19222344+01	.84463600+00
.41735698+00	.18400667+01	.28678682+00	.19339480+01	.85169200+00
.41831330+00	.18403570+01	.28595582+00	.19457602+01	.85888000+00
.41927462+00	.18406505+01	.28512142+00	.19576710+01	.86610000+00
.42024094+00	.18409472+01	.28428362+00	.19696804+01	.87335200+00
.42121226+00	.18412471+01	.28344242+00	.19817884+01	.88063600+00
.42218858+00	.18415502+01	.28259782+00	.19939950+01	.88795200+00
.42316990+00	.18418565+01	.28174982+00	.20063002+01	.89530000+00
.42415622+00	.18421660+01	.28089842+00	.20187040+01	.90268000+00
.42514754+00	.18424787+01	.28004362+00	.20312064+01	.91009200+00
.42614386+00	.18427946+01	.27918542+00	.20438074+01	.91753600+00
.42714518+00	.18431137+01	.27832382+00	.20565070+01	.92501200+00
.42815150+00	.18434360+01	.27745882+00	.20693052+01	.93252000+00
.42916282+00	.18437615+01	.27659042+00	.20822020+01	.94006000+00
.43017914+00	.18440902+01	.27571862+00	.20951974+01	.94763200+00
.43120046+00	.18444221+01	.27484342+00	.21082914+01	.95523600+00
.43222678+00	.18447572+01	.27396482+00	.21214840+01	.96287200+00
.43325810+00	.18450955+01	.27308282+00	.21347752+01	.97054000+00
.43429442+00	.18454370+01	.27219742+00	.21481650+01	.97824000+00
.43533574+00	.18457817+01	.27130862+00	.21616534+01	.98597200+00
.43638206+00	.18461296+01	.27041642+00	.21752404+01	.99373600+00
.43743338+00	.18464807+01	.26952082+00	.21889260+01	.10000000+00

$$.28315701+01 = \Delta S/R$$

$$.65461216+02 = P_s/P_{\infty}$$

$$.39596771+01 = \rho_s/\rho_{\infty}$$

$$.16531959+02 = T_s/T_{\infty}$$

TABLE 157. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 20.0$

u_s	M_∞	θ_s	θ_w	
.91765105+00	.19999983+02	.34906584+00	.40773150+00	
θ	M^*_1	ψ_1	x	r
.34906584+00	.18352677+01	.34906584+00	.13737387+01	.50000000+00
.35037484+00	.18352708+01	.34776149+00	.13800989+01	.50436176+00
.35168383+00	.18352801+01	.34646618+00	.13865635+01	.50878266+00
.35299283+00	.18352955+01	.34517955+00	.13931350+01	.51326413+00
.35430183+00	.18353169+01	.34390124+00	.13998163+01	.51780774+00
.35561082+00	.18353442+01	.34263692+00	.14066102+01	.52241510+00
.35691982+00	.18353773+01	.34136823+00	.14135198+01	.52708786+00
.35822881+00	.18354161+01	.34011286+00	.14205483+01	.53182761+00
.35953781+00	.18354606+01	.33886449+00	.14276988+01	.53663668+00
.36084681+00	.18355106+01	.33762279+00	.14349749+01	.54151638+00
.36215580+00	.18355662+01	.33638746+00	.14423801+01	.54646889+00
.36346480+00	.18356273+01	.33515819+00	.14499180+01	.55149622+00
.36477380+00	.18356937+01	.33393468+00	.14575927+01	.55660051+00
.36608279+00	.18357655+01	.33271664+00	.14654081+01	.56178394+00
.36739179+00	.18358427+01	.33150377+00	.14733685+01	.56704086+00
.36870078+00	.18359251+01	.33029579+00	.14814783+01	.57239766+00
.37000978+00	.18360128+01	.32909239+00	.14897421+01	.57783285+00
.37131878+00	.18361057+01	.32789331+00	.14981648+01	.58335705+00
.37262777+00	.18362039+01	.32669825+00	.15067514+01	.58897304+00
.37393677+00	.18363072+01	.32550693+00	.15155070+01	.59468362+00
.37524576+00	.18364156+01	.32431807+00	.15244375+01	.60049187+00
.37655476+00	.18365293+01	.32313439+00	.15335486+01	.60640088+00
.37786376+00	.18366481+01	.32195259+00	.15428463+01	.61241399+00
.37917275+00	.18367720+01	.32077340+00	.15523371+01	.61853464+00
.38048175+00	.18369011+01	.31959652+00	.15620277+01	.62476645+00
.38179075+00	.18370354+01	.31842167+00	.15719254+01	.63111333+00
.38266341+00	.18371278+01	.31763942+00	.15786424+01	.63541040+00
.38353607+00	.18372225+01	.31685786+00	.15854571+01	.63976162+00
.38440874+00	.18373195+01	.31607689+00	.15923718+01	.64416827+00
.38528140+00	.18374189+01	.31529642+00	.15993889+01	.64863164+00
.38615407+00	.18375205+01	.31451637+00	.16065110+01	.65315312+00
.38702673+00	.18376246+01	.31373664+00	.16137410+01	.65773418+00
.38789940+00	.18377313+01	.31295715+00	.16210813+01	.66237624+00
.38877206+00	.18378397+01	.31217778+00	.16285351+01	.66708089+00
.38964472+00	.18379508+01	.31139847+00	.16361053+01	.67184973+00
.39051739+00	.18380643+01	.31061909+00	.16437950+01	.67668442+00
.39139005+00	.18381803+01	.30983956+00	.16516074+01	.68158659+00
.39226272+00	.18382986+01	.30905978+00	.16595458+01	.68655811+00
.39313537+00	.18384198+01	.30827966+00	.16676137+01	.69160074+00
.39400801+00	.18385434+01	.30749908+00	.16758148+01	.69671648+00

270
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CLASSIFICATION

REPORT NUMBER

TABLE 157. (Concluded)

$$M_{\infty} = .19999983+02$$

$$\Theta_s = .34906584+00$$

Θ	M_1^*	ψ_1	x	r
.39488066+00	.18386695+01	.30671794+00	.16841529+01	.70190736+00
.39575331+00	.18387982+01	.30593612+00	.16926320+01	.70717551+00
.39662596+00	.18389293+01	.30515350+00	.17012562+01	.71252301+00
.39749861+00	.18390631+01	.30436999+00	.17100300+01	.71795233+00
.39837126+00	.18391995+01	.30358545+00	.17189576+01	.72346567+00
.39924391+00	.18393384+01	.30279978+00	.17280437+01	.72906554+00
.40011656+00	.18394801+01	.30201284+00	.17372935+01	.73475462+00
.40098921+00	.18396244+01	.30122451+00	.17467120+01	.74053556+00
.40186186+00	.18397714+01	.30043865+00	.17563045+01	.74641117+00
.40273451+00	.18399212+01	.29964314+00	.17660768+01	.75238452+00
.40360716+00	.18400738+01	.29884982+00	.17760347+01	.75845859+00
.40448348+00	.18401512+01	.29845245+00	.17810852+01	.76153447+00
.40447981+00	.18402293+01	.29805457+00	.17861844+01	.76463672+00
.40491613+00	.18403081+01	.29765617+00	.17913333+01	.76776588+00
.40535245+00	.18403877+01	.29725722+00	.17965325+01	.77092232+00
.40578878+00	.18404680+01	.29685771+00	.18017830+01	.77410650+00
.40622510+00	.18405490+01	.29645763+00	.18070857+01	.77731889+00
.40666143+00	.18406308+01	.29605694+00	.18124416+01	.78056005+00
.40709775+00	.18407133+01	.29565562+00	.18178515+01	.78383036+00
.40753408+00	.18407966+01	.29525367+00	.18233164+01	.78713041+00
.40773150+00	.18408346+01	.29507157+00	.18258075+01	.78863351+00

$$.31927336+01 = \Delta S/R$$

$$.85093087+02 = P_3/P_{\infty}$$

$$.40110974+01 = \rho_3/\rho_{\infty}$$

$$.21214468+02 = T_3/T_{\infty}$$

TABLE 158. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 22.5$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.91857021+00	.22499933+02	.34906584+00	.40704622+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.34906584+00	.18371060+01	.34906584+00	.13737387+01	.50000000+00
.35037484+00	.18371091+01	.34776149+00	.13801472+01	.50437938+00
.35168383+00	.18371184+01	.34646618+00	.13866614+01	.50881856+00
.35299283+00	.18371339+01	.34517953+00	.13932840+01	.51331903+00
.35430183+00	.18371553+01	.34390120+00	.14000180+01	.51788236+00
.35561082+00	.18371826+01	.34263084+00	.14068663+01	.52251022+00
.35691982+00	.18372157+01	.34136811+00	.14138320+01	.52720427+00
.35822881+00	.18372546+01	.34011267+00	.14209183+01	.53196634+00
.35953781+00	.18372991+01	.33886419+00	.14281286+01	.53679821+00
.36084681+00	.18373492+01	.33762237+00	.14354663+01	.54170182+00
.36215580+00	.18374048+01	.33638689+00	.14429351+01	.54667918+00
.36346480+00	.18374659+01	.33515743+00	.14505389+01	.55173236+00
.36477380+00	.18375325+01	.33393370+00	.14582816+01	.55686355+00
.36608279+00	.18376044+01	.33271540+00	.14661672+01	.56207494+00
.36739179+00	.18376816+01	.33150223+00	.14742002+01	.56736895+00
.36870078+00	.18377642+01	.33029389+00	.14823852+01	.57274805+00
.37000978+00	.18378520+01	.32909010+00	.14907269+01	.57821481+00
.37131878+00	.18379450+01	.32789056+00	.14992301+01	.58377188+00
.37262777+00	.18380433+01	.32669500+00	.15078902+01	.58942211+00
.37393677+00	.18381468+01	.32550312+00	.15167424+01	.59516837+00
.37524576+00	.18382554+01	.32431463+00	.15257625+01	.60101380+00
.37655476+00	.18383693+01	.32312924+00	.15349666+01	.60696161+00
.37786376+00	.18384883+01	.32194668+00	.15443609+01	.61301520+00
.37917275+00	.18386125+01	.32076665+00	.15539520+01	.61917810+00
.38048175+00	.18387418+01	.31958885+00	.15637468+01	.62545402+00
.38179075+00	.18388763+01	.31841299+00	.15737527+01	.63184698+00
.38266341+00	.18389689+01	.317263003+00	.15805443+01	.63617592+00
.38353607+00	.18390638+01	.31604770+00	.15874356+01	.64055998+00
.38440874+00	.18391611+01	.31486593+00	.15944289+01	.64500045+00
.38528140+00	.18392607+01	.31362861+00	.16015269+01	.64949869+00
.38615407+00	.18393626+01	.312450367+00	.16087321+01	.65405613+00
.38702673+00	.18394668+01	.311372300+00	.16160474+01	.65867424+00
.38789940+00	.18395735+01	.310294251+00	.16234756+01	.66335456+00
.38877206+00	.18396825+01	.31216211+00	.16310197+01	.66809862+00
.38964472+00	.18397939+01	.31138169+00	.16386828+01	.67290817+00
.39051739+00	.18399077+01	.31060117+00	.16464681+01	.67778483+00
.39139005+00	.18400240+01	.30982044+00	.16543788+01	.68273032+00
.39226271+00	.18401429+01	.30903940+00	.16624186+01	.68774658+00
.39313536+00	.18402644+01	.30825795+00	.16705910+01	.69283548+00
.39400801+00	.18403884+01	.30747598+00	.16788996+01	.69799899+00

TABLE 158. (Concluded)

$$M_{\infty} = .22499933+02$$

$$\Theta_s = .34906584+00$$

Θ	M_1^*	ψ_1	x	r
.39488066+00	.18405150+01	.30669337+00	.16873487+01	.70323928+00
.39575331+00	.18406440+01	.30591002+00	.16959423+01	.70855851+00
.39662595+00	.18407757+01	.30512580+00	.17046846+01	.71395889+00
.39749860+00	.18409099+01	.30434061+00	.17135801+01	.71944280+00
.39837125+00	.18410467+01	.30355432+00	.17226335+01	.72501276+00
.39924390+00	.18411862+01	.30276680+00	.17318497+01	.73067129+00
.40011655+00	.18413284+01	.30197294+00	.17412339+01	.73642109+00
.40098920+00	.18414732+01	.30118759+00	.17507911+01	.74226493+00
.40186185+00	.18416209+01	.30039562+00	.17605274+01	.74820585+00
.40273450+00	.18417713+01	.29960189+00	.17704484+01	.75424688+00
.40360715+00	.18419246+01	.29880627+00	.17805601+01	.76039118+00
.40447980+00	.18420803+01	.29840770+00	.17856896+01	.76350311+00
.40447980+00	.18420807+01	.29800859+00	.17908693+01	.76664224+00
.40491612+00	.18421599+01	.29760894+00	.17961002+01	.76980895+00
.40535245+00	.18422399+01	.29720872+00	.18013828+01	.77300362+00
.40578877+00	.18423205+01	.29680789+00	.18067183+01	.77622683+00
.40622510+00	.18424019+01	.29640647+00	.18121076+01	.77947903+00
.40666142+00	.18424841+01	.29600441+00	.18175515+01	.78276069+00
.40709622+00	.18425572+01	.29564928+00	.18223988+01	.78567975+00

$$.35185748+01 = \Delta S/R$$

$$.10734209+03 = P_s/P_{\infty}$$

$$.40474386+01 = \rho_s/\rho_{\infty}$$

$$.26520993+02 = T_s/T_{\infty}$$

TABLE 159. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 25.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.91922943+00	.24999918+02	.34906584+00	.40655534+00	
\underline{e}	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.34906584+00	.18384244+01	.34906584+00	.13737387+01	.50000000+00
.35037484+00	.18384275+01	.34776149+00	.13801821+01	.50439215+00
.35168383+00	.18384369+01	.34646617+00	.13867325+01	.50884465+00
.35299283+00	.18384523+01	.34517952+00	.13933924+01	.51335894+00
.35430183+00	.18384737+01	.34390118+00	.14001647+01	.51793664+00
.35561082+00	.18385011+01	.34263079+00	.14070525+01	.52257939+00
.35691982+00	.18385342+01	.34136801+00	.14140590+01	.52728891+00
.35822881+00	.18385731+01	.34011252+00	.14211874+01	.53206706+00
.35953781+00	.18386176+01	.33886398+00	.14284411+01	.53691568+00
.36084681+00	.18386678+01	.33762207+00	.14358238+01	.54183672+00
.36215580+00	.18387235+01	.33638647+00	.14433389+01	.54683217+00
.36346480+00	.18387846+01	.33515688+00	.14509907+01	.55190420+00
.36477380+00	.18388512+01	.33393299+00	.14587829+01	.55705498+00
.36608279+00	.18389232+01	.33271449+00	.14667198+01	.56228678+00
.36739179+00	.18390005+01	.33150110+00	.14748058+01	.56760203+00
.36870078+00	.18390831+01	.33029251+00	.14830457+01	.57300323+00
.37000978+00	.18391710+01	.32908842+00	.14914441+01	.57849299+00
.37131878+00	.18392642+01	.32788856+00	.15000061+01	.58407402+00
.37262777+00	.18393626+01	.32669263+00	.15087370+01	.58974921+00
.37393677+00	.18394662+01	.32550032+00	.15176424+01	.59552152+00
.37524576+00	.18395749+01	.32431138+00	.15267281+01	.60139415+00
.37611843+00	.18396504+01	.32352046+00	.15328883+01	.60536651+00
.37699109+00	.18397281+01	.32273082+00	.15391334+01	.60938597+00
.37786376+00	.18398081+01	.32194236+00	.15454650+01	.61345347+00
.37873642+00	.18398904+01	.32115506+00	.15518853+01	.61757013+00
.37960909+00	.18399750+01	.32036866+00	.15583963+01	.62173704+00
.38048175+00	.18400619+01	.31958323+00	.15650003+01	.62595540+00
.38135441+00	.18401512+01	.31879865+00	.15716994+01	.63022641+00
.38222708+00	.18402427+01	.31801481+00	.15784940+01	.63455124+00
.38309974+00	.18403366+01	.31723163+00	.15853924+01	.63893125+00
.38397241+00	.18404329+01	.31644902+00	.15923912+01	.64336775+00
.38484507+00	.18405314+01	.31566688+00	.15994948+01	.64786205+00
.38571773+00	.18406323+01	.31488512+00	.16067040+01	.65241560+00
.38659040+00	.18407356+01	.31410366+00	.16140275+01	.65702986+00
.38746306+00	.18408412+01	.31332238+00	.16214623+01	.66170443+00
.38833573+00	.18409493+01	.31254121+00	.16290132+01	.66644683+00
.38920839+00	.18410597+01	.31176003+00	.16366835+01	.67125276+00
.39008106+00	.18411725+01	.31097875+00	.16444762+01	.67612585+00
.39095372+00	.18412878+01	.31019726+00	.16523950+01	.68106801+00
.39182638+00	.18414057+01	.30941549+00	.16604430+01	.68608092+00

TABLE 159. (Concluded)

$$M_{\infty} = .24999918+02$$

$$\Theta_s = .34906584+00$$

Θ	M_1^*	ψ_1	x	r
.39269903+00	.18415262+01	.30863331+00	.16686239+01	.69116654+00
.39313535+00	.18415874+01	.30824204+00	.16727655+01	.69373728+00
.39357167+00	.18416492+01	.30785062+00	.16769417+01	.69632696+00
.39400800+00	.18417117+01	.30745904+00	.16811532+01	.69893589+00
.39444432+00	.18417747+01	.30706729+00	.16854003+01	.70156423+00
.39488065+00	.18418385+01	.30667536+00	.16896837+01	.70421242+00
.39531697+00	.18419028+01	.30628323+00	.16940039+01	.70688061+00
.39575330+00	.18419678+01	.30589088+00	.16983612+01	.70956910+00
.39618962+00	.18420334+01	.30549831+00	.17027565+01	.71227824+00
.39662595+00	.18420997+01	.30510549+00	.17071902+01	.71500829+00
.39706227+00	.18421667+01	.30471241+00	.17116630+01	.71775957+00
.39749860+00	.18422342+01	.30431905+00	.17161753+01	.72053241+00
.39793492+00	.18423025+01	.30392541+00	.17207279+01	.72332708+00
.39837125+00	.18423714+01	.30353146+00	.17253212+01	.72614394+00
.39880757+00	.18424410+01	.30313720+00	.17299560+01	.72898330+00
.39924389+00	.18425113+01	.30274260+00	.17346330+01	.73184554+00
.39968022+00	.18425822+01	.30234763+00	.17393526+01	.73473094+00
.40011654+00	.18426538+01	.30195231+00	.17441158+01	.73763993+00
.40055287+00	.18427262+01	.30155659+00	.17489231+01	.74057285+00
.40098919+00	.18427991+01	.30116047+00	.17537753+01	.74353008+00
.40142552+00	.18428728+01	.30076393+00	.17586730+01	.74651194+00
.40186184+00	.18429472+01	.30036695+00	.17636171+01	.74951893+00
.40229817+00	.18430223+01	.29996952+00	.17686084+01	.75255140+00
.40273449+00	.18430981+01	.29957160+00	.17736475+01	.75560975+00
.40317082+00	.18431746+01	.29917319+00	.17787353+01	.75869440+00
.40360714+00	.18432519+01	.29877427+00	.17838726+01	.76180576+00
.40404347+00	.18433298+01	.29837482+00	.17890604+01	.76494436+00
.40447979+00	.18434085+01	.29797481+00	.17942994+01	.76811057+00
.40491612+00	.18434880+01	.29757424+00	.17995905+01	.77130491+00
.40535244+00	.18435682+01	.29717308+00	.18049347+01	.77452779+00
.40578876+00	.18436491+01	.29677129+00	.18103327+01	.77777970+00
.40622509+00	.18437308+01	.29636888+00	.18157858+01	.78106122+00
.40665534+00	.18437932+01	.29606386+00	.18199504+01	.78356498+00

$$.38147405+01 = \Delta S/R$$

$$.13220831+03 = P_s/P_{\infty}$$

$$.40740054+01 = \rho_s/\rho_{\infty}$$

$$.32451677+02 = T_s/T_{\infty}$$

TABLE 160. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 27.5$

u_s	M_∞	θ_s	θ_w	
.91971797+00	.27500012+02	.34906584+00	.40619178+00	
θ	M^*_1	ψ_1	x	r
.34906584+00	.18394015+01	.34906584+00	.13737387+01	.50000000+00
.35037484+00	.18394046+01	.34776149+00	.13802084+01	.50440176+00
.35168383+00	.18394140+01	.34646617+00	.13867858+01	.50886420+00
.35299283+00	.18394294+01	.34517951+00	.13934735+01	.51338883+00
.35430183+00	.18394500+01	.34389011+00	.14002746+01	.51797728+00
.35561082+00	.18394782+01	.34263075+00	.14071921+01	.52263123+00
.35691982+00	.18395113+01	.34136795+00	.14142292+01	.52735238+00
.35822881+00	.18395502+01	.34011241+00	.14213892+01	.53214262+00
.35953781+00	.18395948+01	.33886381+00	.14286755+01	.53700379+00
.36084681+00	.18396450+01	.33762183+00	.14360918+01	.54193787+00
.36215580+00	.18397007+01	.33638616+00	.14436418+01	.54694691+00
.36346480+00	.18397619+01	.33515646+00	.14513294+01	.55203305+00
.36477380+00	.18398286+01	.33393245+00	.14591588+01	.55719854+00
.36608279+00	.18399006+01	.33271381+00	.14671341+01	.56244560+00
.36739179+00	.18399779+01	.33150025+00	.14752599+01	.56777677+00
.36870078+00	.18400606+01	.33029146+00	.14835409+01	.57319456+00
.37000978+00	.18401486+01	.32908716+00	.14919817+01	.57870159+00
.37131878+00	.18402418+01	.32788705+00	.15005880+01	.58430063+00
.37262777+00	.18403403+01	.32669084+00	.15093647+01	.58999458+00
.37393677+00	.18404439+01	.32549823+00	.15183175+01	.59578644+00
.37524576+00	.18405528+01	.32430893+00	.15274523+01	.60167942+00
.37611843+00	.18406283+01	.32351776+00	.15336464+01	.60566588+00
.37699109+00	.18407061+01	.32272785+00	.15399260+01	.60969980+00
.37786376+00	.18407862+01	.32193910+00	.15462932+01	.61378221+00
.37873642+00	.18408685+01	.32115144+00	.15527500+01	.61791423+00
.37960909+00	.18409533+01	.32036477+00	.15592985+01	.62209696+00
.38048175+00	.18410403+01	.31957901+00	.15659408+01	.62633159+00
.38135441+00	.18411296+01	.31879406+00	.15726794+01	.63061935+00
.38222708+00	.18412213+01	.31800983+00	.15795164+01	.63496146+00
.38309974+00	.18413153+01	.31722625+00	.15864544+01	.63935926+00
.38397241+00	.18414116+01	.31644320+00	.15934958+01	.64381405+00
.38484507+00	.18415103+01	.31566061+00	.16006434+01	.64832726+00
.38571773+00	.18416113+01	.31487837+00	.16078996+01	.65290027+00
.38659040+00	.18417147+01	.31409640+00	.16152675+01	.65753466+00
.38746306+00	.18418205+01	.31331459+00	.16227500+01	.66223195+00
.38833573+00	.18419287+01	.31253285+00	.16303501+01	.66699376+00
.38920839+00	.18420393+01	.31175108+00	.16380709+01	.67182178+00
.39008106+00	.18421523+01	.31096918+00	.16459157+01	.67671767+00
.39095372+00	.18422677+01	.31018705+00	.16538879+01	.68168333+00
.39182638+00	.18423856+01	.30940458+00	.16619910+01	.68672053+00

TABLE 160. (Concluded)

$$M_{\infty} = .27500012+02$$

$$\Theta_s = .34906584+00$$

Θ	M_1^*	ψ_1	x	r
.39269903+00	.18425065+01	.30862169+00	.16702288+01	.69183129+00
.39313535+00	.18425679+01	.30823005+00	.16743993+01	.69441468+00
.39357167+00	.18426298+01	.30783824+00	.16785051+01	.69701767+00
.39400800+00	.18426923+01	.30744627+00	.16828465+01	.69963988+00
.39444432+00	.18427555+01	.30705413+00	.16871241+01	.70228179+00
.39488065+00	.18428194+01	.30666179+00	.16914384+01	.70494373+00
.39531697+00	.18428839+01	.30626924+00	.16957899+01	.70762589+00
.39575330+00	.18429490+01	.30587646+00	.17001792+01	.71032864+00
.39618962+00	.18430147+01	.30548345+00	.17046069+01	.71305229+00
.39662595+00	.18430811+01	.30509018+00	.17090736+01	.71579707+00
.39706227+00	.18431482+01	.30469664+00	.17135797+01	.71856335+00
.39749860+00	.18432159+01	.30430282+00	.17181261+01	.72135145+00
.39793492+00	.18432843+01	.30390869+00	.17227132+01	.72416166+00
.39837125+00	.18433534+01	.30351425+00	.17273418+01	.72699435+00
.39880757+00	.18434231+01	.30311948+00	.17320124+01	.72984982+00
.39924389+00	.18434935+01	.30272436+00	.17367257+01	.73272847+00
.39968022+00	.18435646+01	.30232887+00	.17414823+01	.73563055+00
.40011654+00	.18436364+01	.30193300+00	.17462831+01	.73855656+00
.40055287+00	.18437088+01	.30153673+00	.17511287+01	.74150679+00
.40098919+00	.18437820+01	.30114004+00	.17560197+01	.74448161+00
.40142552+00	.18438558+01	.30074292+00	.17609570+01	.74748145+00
.40186184+00	.18439304+01	.30034535+00	.17659415+01	.75050676+00
.40229817+00	.18440057+01	.29994730+00	.17709738+01	.75355789+00
.40273449+00	.18440816+01	.29954877+00	.17760546+01	.75663522+00
.40317082+00	.18441583+01	.29914973+00	.17811849+01	.75973924+00
.40360714+00	.18442358+01	.29875015+00	.17863655+01	.76287036+00
.40404347+00	.18443139+01	.29835004+00	.17915973+01	.76602907+00
.40447979+00	.18443928+01	.29794935+00	.17968812+01	.76921581+00
.40491612+00	.18444725+01	.29754807+00	.18022180+01	.77243105+00
.40535244+00	.18445529+01	.29714619+00	.18076088+01	.77567529+00
.40578876+00	.18446340+01	.29674368+00	.18130543+01	.77894899+00
.40622508+00	.18447157+01	.29634132+00	.18185537+01	.78224239+00

$$.40858132+01 = \Delta S/R$$

$$.15969364+03 = P_s/P_{\infty}$$

$$.40939863+01 = \rho_s/\rho_{\infty}$$

$$.39006882+02 = T_s/T_{\infty}$$

/ TABLE 161. CONICAL FLOWFIELD $\theta_s = 20.0$ DEG; $M_\infty = 30.0$

u_s	M_∞	θ_s	θ_w	
.92009010+00	.29999890+02	.34906664+00	.40591503+00	
θ	M^*_1	ψ_1	x	r
.34906584+00	.18401457+01	.34906584+00	.13737387+01	.50000000+00
.35037484+00	.18401489+01	.34776149+00	.13802286+01	.50440913+00
.35168383+00	.18401582+01	.34646617+00	.13868266+01	.50887921+00
.35299283+00	.18401736+01	.34517951+00	.13935358+01	.51341177+00
.35430183+00	.18401951+01	.34390114+00	.14003589+01	.51800848+00
.35561082+00	.18402224+01	.34263071+00	.14072992+01	.52267100+00
.35691982+00	.18402556+01	.34136789+00	.14143598+01	.52740107+00
.35822881+00	.18402945+01	.34011232+00	.14215440+01	.53220097+00
.35953781+00	.18403391+01	.33886369+00	.14288554+01	.53707139+00
.36084681+00	.18403893+01	.33762166+00	.14362975+01	.54201549+00
.36215580+00	.18404451+01	.33638591+00	.14438742+01	.54703496+00
.36346480+00	.18405063+01	.33515614+00	.14515895+01	.55213196+00
.36477380+00	.18405730+01	.33393203+00	.14594474+01	.55730873+00
.36608279+00	.18406450+01	.33271328+00	.14674522+01	.56256756+00
.36739179+00	.18407225+01	.33149960+00	.14756086+01	.56791098+00
.36870078+00	.18408052+01	.33029066+00	.14839212+01	.57334150+00
.37000978+00	.18408932+01	.32908619+00	.14923949+01	.57886179+00
.37131878+00	.18409865+01	.32788589+00	.15010350+01	.58447467+00
.37262777+00	.18410850+01	.32668946+00	.15098469+01	.59018303+00
.37393677+00	.18411887+01	.32549661+00	.15188361+01	.59598992+00
.37524576+00	.18412977+01	.32430704+00	.15280087+01	.60189860+00
.37611843+00	.18413732+01	.32351568+00	.15342288+01	.60589589+00
.37699109+00	.18414510+01	.32272556+00	.15405351+01	.60994096+00
.37786376+00	.18415312+01	.32193660+00	.15469297+01	.61403485+00
.37873642+00	.18416136+01	.32114670+00	.15534146+01	.61817868+00
.37960909+00	.18416984+01	.32036178+00	.15599918+01	.62237357+00
.38048175+00	.18417855+01	.31957575+00	.15666637+01	.62662072+00
.38135441+00	.18418749+01	.31879052+00	.15734326+01	.63092137+00
.38222708+00	.18419666+01	.31800600+00	.15803008+01	.63527679+00
.38309974+00	.18420607+01	.31722210+00	.15872707+01	.63968823+00
.38397241+00	.18421571+01	.31643872+00	.15943451+01	.64415716+00
.38484507+00	.18422559+01	.31565578+00	.16015264+01	.64868491+00
.38571773+00	.18423570+01	.31487817+00	.16088174+01	.65327296+00
.38659040+00	.18424605+01	.31409080+00	.16162211+01	.65792281+00
.38746306+00	.18425664+01	.31330859+00	.16237403+01	.66263608+00
.38833573+00	.18426747+01	.31252641+00	.16313762+01	.66741438+00
.38920839+00	.18427854+01	.31174419+00	.16391380+01	.67225941+00
.39008106+00	.18428985+01	.31096181+00	.16470228+01	.67717288+00
.39095372+00	.18430141+01	.31017917+00	.16550363+01	.68215668+00
.39182637+00	.18431325+01	.30939619+00	.16631818+01	.68721257+00

TABLE 161. (Concluded)

$$M_{\infty} = .29999890+02$$

$$\Theta_s = .34906584+00$$

Θ	M_1^*	ψ_1	x	r
.39269902+00	.18432533+01	.30861274+00	.16714635+01	.69234271+00
.39313534+00	.18433147+01	.30822081+00	.16756566+01	.69493627+00
.39357167+00	.18433767+01	.30782871+00	.16798851+01	.69754916+00
.39400799+00	.18434393+01	.30743644+00	.16841497+01	.70018166+00
.39444432+00	.18435026+01	.30704398+00	.16884508+01	.70283403+00
.39488064+00	.18435665+01	.30665132+00	.16927890+01	.70550659+00
.39531697+00	.18436311+01	.30625845+00	.16971647+01	.70819958+00
.39575329+00	.18436963+01	.30586534+00	.17015786+01	.71091331+00
.39618962+00	.18437621+01	.30547198+00	.17060314+01	.71364816+00
.39662594+00	.18438286+01	.30507837+00	.17105235+01	.71640434+00
.39706226+00	.18438958+01	.30468447+00	.17150556+01	.71918223+00
.39749859+00	.18439637+01	.30429028+00	.17196283+01	.72198213+00
.39793491+00	.18440321+01	.30389570+00	.17242422+01	.72480437+00
.39837124+00	.18441013+01	.30350096+00	.17288979+01	.72764926+00
.39880756+00	.18441711+01	.30310580+00	.17335961+01	.73051715+00
.39924389+00	.18442416+01	.30271028+00	.17383374+01	.73340844+00
.39968021+00	.18443128+01	.30231438+00	.17431227+01	.73632348+00
.40011654+00	.18443847+01	.30191809+00	.17479525+01	.73926257+00
.40055286+00	.18444573+01	.30152139+00	.17528276+01	.74222619+00
.40098919+00	.18445306+01	.30112427+00	.17577489+01	.74521473+00
.40142551+00	.18446045+01	.30072670+00	.17627168+01	.74822845+00
.40186184+00	.18446792+01	.30032866+00	.17677324+01	.75126788+00
.40229816+00	.18447546+01	.29993015+00	.17727963+01	.75433337+00
.40273448+00	.18448307+01	.29953113+00	.17779094+01	.75742538+00
.40317081+00	.18449076+01	.29913159+00	.17830727+01	.76054441+00
.40360713+00	.18449851+01	.29873152+00	.17882867+01	.76369078+00
.40404346+00	.18450635+01	.29833089+00	.17935525+01	.76686504+00
.40447978+00	.18451425+01	.29792967+00	.17988711+01	.77006762+00
.40491611+00	.18452223+01	.29752785+00	.18042432+01	.77329904+00
.40535243+00	.18453028+01	.29712542+00	.18096699+01	.77655972+00
.40578876+00	.18453842+01	.29672234+00	.18151520+01	.77985021+00
.40591503+00	.18454076+01	.29660556+00	.18167492+01	.78080619+00

$$.43354487+01 = \Delta S/R$$

$$.189779358+03 = P_g/P_{\infty}$$

$$.41093622+01 = \rho_g/\rho_{\infty}$$

$$.46185657+02 = T_g/T_{\infty}$$

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TABLE 162. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 1.4771237$

u_s	M_∞	θ_s	θ_w	
.50000938+00	.14771237+01	.39269907+00	.94538478+00	
θ	M_1^*	ψ_1	x	r
.39269907+00	.10000000+01	.39269907+00	.12071068+01	.50000000+00
.40840703+00	.10002322+01	.37756266+00	.11996333+01	.51912766+00
.42411498+00	.10008760+01	.36348046+00	.11928802+01	.53860603+00
.43982293+00	.10018651+01	.35033423+00	.11867955+01	.55846353+00
.45553089+00	.10031462+01	.33802280+00	.11813382+01	.57873154+00
.47123884+00	.10046768+01	.32645899+00	.11764759+01	.59944431+00
.48694680+00	.10064221+01	.31556711+00	.11721839+01	.62063930+00
.50265473+00	.10083540+01	.30528108+00	.11684437+01	.64235723+00
.51836266+00	.10102093+01	.29659940+00	.11655723+01	.66213686+00
.53407059+00	.10121807+01	.28831437+00	.11631221+01	.68239916+00
.54977852+00	.10142572+01	.28039341+00	.11610914+01	.70318117+00
.56548645+00	.10164296+01	.27280726+00	.11594813+01	.72452336+00
.58119438+00	.10186904+01	.26552929+00	.11582962+01	.74646977+00
.59690231+00	.10210335+01	.25853536+00	.11575439+01	.76906890+00
.61261024+00	.10234540+01	.25180349+00	.11572353+01	.79237384+00
.62831817+00	.10259324+01	.24611214+00	.11573403+01	.81339048+00
.64402610+00	.10284652+01	.24059343+00	.11578075+01	.83503499+00
.65973403+00	.10301508+01	.23523573+00	.11586518+01	.85735483+00
.67544196+00	.10324883+01	.23002809+00	.11598899+01	.88040171+00
.69114989+00	.10348773+01	.22496032+00	.11615420+01	.90423288+00
.70685782+00	.10373176+01	.22002872+00	.11636312+01	.92891141+00
.72256575+00	.10398096+01	.21520619+00	.11661842+01	.95450731+00
.73827368+00	.10419874+01	.21116749+00	.11687652+01	.97723571+00
.75398161+00	.10442044+01	.20720603+00	.11717321+01	.10007498+01
.76968954+00	.10464616+01	.20331482+00	.11751104+01	.10251099+01
.78539747+00	.10487603+01	.19949485+00	.11789284+01	.10503824+01
.80110540+00	.10511019+01	.19573530+00	.11832187+01	.10766414+01
.81681333+00	.10534882+01	.19203841+00	.11880181+01	.11039694+01
.83252126+00	.10559214+01	.18838449+00	.11933687+01	.11324591+01
.84822919+00	.10579864+01	.18538082+00	.11982831+01	.11571627+01
.86393712+00	.10600872+01	.18240799+00	.12036449+01	.11828125+01
.87964505+00	.10622255+01	.17946523+00	.12094897+01	.12094833+01
.89535298+00	.10644033+01	.17654877+00	.12158574+01	.12372587+01
.91106091+00	.10666229+01	.17364676+00	.12227933+01	.12662323+01
.92676884+00	.10688868+01	.17076924+00	.12303487+01	.12965095+01
.94247677+00	.10711978+01	.16790816+00	.12385824+01	.13282091+01
.95818470+00	.10730827+01	.16562901+00	.12457027+01	.13646832+01
.97389263+00	.10750017+01	.16335654+00	.12533389+01	.13822316+01
.98960056+00	.10769568+01	.16108901+00	.12615354+01	.14109916+01
.10000000+01	.10789502+01	.15882444+00	.12703416+01	.14409103+01

TABLE 162. (Concluded)

$$M_{\infty} = .14771237+01$$

$$\Theta_s = .39269907+00$$

Θ	M_1^*	ψ_1	x	r
.85520804+00	.10809845+01	.15656079+00	.12798140+01	.14722478+01
.86218929+00	.10830626+01	.15429579+00	.12900167+01	.15050781+01
.86917055+00	.10851875+01	.15202708+00	.13010235+01	.15395427+01
.87440649+00	.10868141+01	.15032152+00	.13098567+01	.15665600+01
.87964243+00	.10884708+01	.14861116+00	.13192302+01	.15946639+01
.88487837+00	.10901593+01	.14689466+00	.13291895+01	.16239405+01
.89011431+00	.10918819+01	.14517862+00	.13397861+01	.16544859+01
.89535025+00	.10936407+01	.14343752+00	.13510780+01	.16864083+01
.90058619+00	.10954383+01	.14169858+00	.13631310+01	.17198302+01
.90582213+00	.10972776+01	.13993692+00	.13760206+01	.17548905+01
.90931275+00	.10985286+01	.13875971+00	.13851207+01	.17792521+01
.91280270+00	.10998005+01	.13757133+00	.13946580+01	.18044599+01
.91629256+00	.11010947+01	.13637692+00	.14046658+01	.18305760+01
.91978241+00	.11024123+01	.13517366+00	.14151798+01	.18576655+01
.92327226+00	.11037547+01	.13396063+00	.14262395+01	.18857996+01
.92676211+00	.11051235+01	.13273688+00	.14378888+01	.19150573+01
.93025196+00	.11065203+01	.13150131+00	.14501770+01	.19455271+01
.93374182+00	.11072298+01	.13087874+00	.14565779+01	.19612471+01
.93374182+00	.11079471+01	.13025276+00	.14631699+01	.19773086+01
.93548674+00	.11086724+01	.12962320+00	.14699312+01	.19937255+01
.93723167+00	.11094059+01	.12898988+00	.14769004+01	.20105135+01
.93897659+00	.11101481+01	.12835260+00	.14840767+01	.20276888+01
.94072152+00	.11108991+01	.12771315+00	.14914701+01	.20452689+01
.94246645+00	.11116594+01	.12706535+00	.14990910+01	.20632724+01
.94421137+00	.11124294+01	.12641494+00	.15069508+01	.20817193+01
.94538478+00	.11129528+01	.12597486+00	.15123767+01	.20943843+01

$$.64600706-02 = \Delta S/R$$

$$.16978707+01 = P_0/P_{\infty}$$

$$.14649891+01 = \rho_0/\rho_{\infty}$$

$$.12954846+01 = T_0/T_{\infty}$$

TABLE 163. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 1.5$

u_s	M_∞	θ_s	θ_w	
.50748241+00	.15000005+01	.39269907+00	.92838226+00	
θ	M_1^*	ψ_1	x	r
.39269907+00	.10149458+01	.39269907+00	.12071068+01	.50000000+00
.40840703+00	.10151815+01	.37756247+00	.12032201+01	.52067979+00
.42411498+00	.10158352+01	.36347906+00	.11996557+01	.54166529+00
.43982293+00	.10168394+01	.35032987+00	.11964456+01	.56300449+00
.45553089+00	.10181404+01	.33801322+00	.11936158+01	.58474626+00
.47123884+00	.10196952+01	.32644155+00	.11911880+01	.60694052+00
.48563780+00	.10213133+01	.31642857+00	.11893316+01	.62772664+00
.50003676+00	.10230932+01	.30691637+00	.11878416+01	.64897753+00
.51443560+00	.10250167+01	.29787432+00	.11867317+01	.67073678+00
.52883443+00	.10270687+01	.28925692+00	.11860152+01	.69305077+00
.54323327+00	.10292367+01	.28102796+00	.11857069+01	.71596920+00
.55632312+00	.10312999+01	.27385662+00	.11857952+01	.73737388+00
.56941297+00	.10334444+01	.26695707+00	.11862477+01	.75936538+00
.58250282+00	.10356651+01	.26030892+00	.11870810+01	.78199132+00
.59559267+00	.10379578+01	.25389357+00	.11883129+01	.80530305+00
.60868252+00	.10403191+01	.24769377+00	.11899640+01	.82935686+00
.62046339+00	.10425010+01	.24228914+00	.11918278+01	.85169065+00
.63224425+00	.10447353+01	.23702744+00	.11940697+01	.87472490+00
.64402512+00	.10470211+01	.23191053+00	.11967114+01	.89851373+00
.65580598+00	.10493579+01	.22692484+00	.11997777+01	.92311669+00
.66758685+00	.10517458+01	.22206137+00	.12032971+01	.94859986+00
.67805873+00	.10539116+01	.21733395+00	.12068315+01	.97204926+00
.68853061+00	.10561186+01	.21369047+00	.12107742+01	.99630833+00
.69900249+00	.10583676+01	.20962539+00	.12151538+01	.10214396+01
.70947437+00	.10606597+01	.20563339+00	.12200024+01	.10475125+01
.71994625+00	.10629962+01	.20170912+00	.12253560+01	.10746039+01
.72910915+00	.10650783+01	.19832693+00	.12304869+01	.10992117+01
.73827204+00	.10671971+01	.19498926+00	.12360666+01	.11247290+01
.74743494+00	.10693539+01	.19169270+00	.12421298+01	.11512266+01
.75659783+00	.10715505+01	.18843387+00	.12487154+01	.11787833+01
.76576073+00	.10737888+01	.18520941+00	.12558674+01	.12074872+01
.77361464+00	.10757423+01	.18247932+00	.12624862+01	.12330782+01
.78146855+00	.10777296+01	.17975170+00	.12695928+01	.12596537+01
.78932246+00	.10797526+01	.17705131+00	.12772269+01	.12872909+01
.79717637+00	.10818132+01	.17436683+00	.12854328+01	.13160753+01
.80503028+00	.10839136+01	.17169578+00	.12942608+01	.13461034+01
.81157520+00	.10856960+01	.16947839+00	.13021333+01	.13721542+01
.81812013+00	.10875094+01	.16726702+00	.13105140+01	.13992133+01
.82466505+00	.10893554+01	.16506010+00	.13194445+01	.14273583+01
.83120998+00	.10912360+01	.16285589+00	.13289708+01	.14566757+01

TABLE 163. (Concluded)

$M_{\infty} = .15000005+01$			$\Theta_s = .39269907+00$	
Θ	M_1^*	ψ_1	x	r
.83775491+00	.10931533+01	.16065256+00	.13391455+01	.14872624+01
.84299085+00	.10947151+01	.15888926+00	.13477914+01	.15127182+01
.84822679+00	.10963032+01	.15712419+00	.13569238+01	.15391179+01
.85346273+00	.10979192+01	.15535621+00	.13665804+01	.15665302+01
.85869867+00	.10995646+01	.15358415+00	.13768032+01	.15950312+01
.86393461+00	.11012412+01	.15180662+00	.13876394+01	.16247059+01
.86786156+00	.11025202+01	.15046905+00	.13962005+01	.16477387+01
.87178852+00	.11038189+01	.14912698+00	.14051611+01	.16716294+01
.87571547+00	.11051381+01	.14777967+00	.14145482+01	.16962759+01
.87964243+00	.11064788+01	.14642639+00	.14243919+01	.17217817+01
.88356938+00	.11078424+01	.14506636+00	.14347251+01	.17482049+01
.88618735+00	.11087647+01	.14415547+00	.14419037+01	.17663616+01
.88880532+00	.11096981+01	.14324090+00	.14493281+01	.17849755+01
.89142310+00	.11106430+01	.14232239+00	.14570102+01	.18040671+01
.89404049+00	.11116000+01	.14139967+00	.14649630+01	.18236589+01
.89665788+00	.11125694+01	.14047235+00	.14732026+01	.18437794+01
.89927527+00	.11135518+01	.13954004+00	.14817448+01	.18644563+01
.90189265+00	.11145477+01	.13860240+00	.14906070+01	.18857193+01
.90451004+00	.11155579+01	.13765902+00	.14998077+01	.19076009+01
.90712743+00	.11165828+01	.13670944+00	.15093674+01	.19301360+01
.90974482+00	.11176233+01	.13575327+00	.15193081+01	.19533626+01
.91236221+00	.11186801+01	.13478992+00	.15296542+01	.19773221+01
.91497960+00	.11197540+01	.13381889+00	.15404321+01	.20020600+01
.91759699+00	.11208459+01	.13283959+00	.15516710+01	.20276257+01
.92021438+00	.11219567+01	.13185141+00	.15634029+01	.20540738+01
.92283177+00	.11230876+01	.13085359+00	.15756633+01	.20814640+01
.92544916+00	.11242398+01	.12984543+00	.15884914+01	.21098628+01
.92806654+00	.11254144+01	.12882610+00	.16019309+01	.21393435+01
.92838226+00	.11255577+01	.12870234+00	.16035956+01	.21429767+01

$$.67608654-02 = \Delta S/R$$

$$.19114321+01 = P_s/P_{\infty}$$

$$.14710839+01 = \rho_s/\rho_{\infty}$$

$$.12993359+01 = T_s/T_{\infty}$$

CLASSIFICATION

PAGE AND/OR FILE NUMBER

/ TABLE 164. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 2.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.62589158+00	.19999849+01	.39269907+00	.72000754+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.39269907+00	.12517597+01	.39269907+00	.12071068+01	.50000000+00
.40273471+00	.12518811+01	.38289900+00	.12139691+01	.51717571+00
.41277035+00	.12522269+01	.37354163+00	.12212159+01	.53480569+00
.42280598+00	.12527735+01	.36458805+00	.12288696+01	.55292048+00
.43284162+00	.12535009+01	.35600365+00	.12369546+01	.57155321+00
.44287726+00	.12543920+01	.34775751+00	.12454977+01	.59073988+00
.45204023+00	.12553363+01	.34050024+00	.12537231+01	.60877515+00
.46120321+00	.12563957+01	.33348254+00	.12623800+01	.62733749+00
.47036618+00	.12575619+01	.32668483+00	.12714956+01	.64646225+00
.47952915+00	.12588283+01	.32009690+00	.12811001+01	.66618809+00
.48869213+00	.12601887+01	.31369778+00	.12912265+01	.68655721+00
.49782444+00	.12614964+01	.30806692+00	.13008689+01	.70557932+00
.50527270+00	.12628738+01	.30255920+00	.13109985+01	.72520325+00
.51356294+00	.12643185+01	.29718356+00	.13216482+01	.74547011+00
.52185318+00	.12658280+01	.29192546+00	.13328544+01	.76642479+00
.53014342+00	.12674008+01	.28677670+00	.13446571+01	.78811652+00
.53756100+00	.12688606+01	.28225616+00	.13557597+01	.80819420+00
.54497858+00	.12703693+01	.27781155+00	.13674109+01	.82894825+00
.55239616+00	.12719265+01	.27343765+00	.13796497+01	.85042565+00
.55981375+00	.12735320+01	.26912931+00	.13925193+01	.87267805+00
.56723133+00	.12751859+01	.26488166+00	.14060673+01	.89576232+00
.57377625+00	.12766856+01	.26118018+00	.14186273+01	.91687182+00
.58032118+00	.12782238+01	.25751879+00	.14317972+01	.93872571+00
.58686610+00	.12798008+01	.25389414+00	.14456219+01	.96137657+00
.59341103+00	.12814176+01	.25030298+00	.14601511+01	.98488240+00
.59995595+00	.12830749+01	.24674189+00	.14754399+01	.10093073+01
.60652822+00	.12845451+01	.24367732+00	.14893521+01	.10312740+01
.61130049+00	.12860474+01	.24063052+00	.15039255+01	.10540358+01
.61697276+00	.12875830+01	.23759921+00	.15192096+01	.10776493+01
.62264503+00	.12891530+01	.23458101+00	.15352586+01	.11021772+01
.62831730+00	.12907588+01	.23157343+00	.15521343+01	.11276886+01
.63311691+00	.12921465+01	.22903478+00	.15671091+01	.11501006+01
.63791652+00	.12935619+01	.22650062+00	.15827699+01	.11733237+01
.64271613+00	.12950061+01	.22396868+00	.15991673+01	.11974152+01
.64751574+00	.12964804+01	.22143736+00	.16163576+01	.12224361+01
.65231536+00	.12979863+01	.21890473+00	.16344037+01	.12484626+01
.65624231+00	.12992428+01	.21683016+00	.16498537+01	.12705545+01
.66016927+00	.13005225+01	.21475220+00	.16659656+01	.12934160+01
.66409622+00	.13018263+01	.21266953+00	.16827863+01	.13170990+01
.66802318+00	.13031555+01	.21058883+00	.17003676+01	.13416608+01

TABLE 164. (Concluded)

$$M_{\infty} = .19999849+01$$

$$\Theta_s = .39269907+00$$

\underline{e}	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.67194984+00	.13045115+01	.20848473+00	.17187654+01	.13671623+01
.67500346+00	.13055861+01	.20684842+00	.17336787+01	.13876895+01
.67805708+00	.13066782+01	.20520579+00	.17491582+01	.14088646+01
.68111070+00	.13077888+01	.20355609+00	.17652401+01	.14307272+01
.68416432+00	.13089186+01	.20189843+00	.17819638+01	.14533201+01
.68721794+00	.13100687+01	.20023181+00	.17993729+01	.14766908+01
.68939910+00	.13109031+01	.19903529+00	.18122539+01	.14938887+01
.69158026+00	.13117487+01	.19783332+00	.18255277+01	.15115301+01
.69376142+00	.13126059+01	.19662538+00	.18392150+01	.15296373+01
.69594257+00	.13134752+01	.19541107+00	.18533376+01	.15482338+01
.69812373+00	.13143571+01	.19418987+00	.18679194+01	.15673451+01
.69943243+00	.13148925+01	.19345365+00	.18768993+01	.15790703+01
.70074112+00	.13154328+01	.19271466+00	.18860595+01	.15909970+01
.70204981+00	.13159780+01	.19197277+00	.18954062+01	.16031317+01
.70335851+00	.13165283+01	.19122784+00	.19049460+01	.16154816+01
.70466720+00	.13170838+01	.19047979+00	.19146859+01	.16280541+01
.70597590+00	.13176447+01	.18972842+00	.19246328+01	.16408566+01
.70728459+00	.13182111+01	.18897358+00	.19347943+01	.16538972+01
.70859329+00	.13187832+01	.18821519+00	.19451787+01	.16671847+01
.70990198+00	.13193611+01	.18745304+00	.19557942+01	.16807279+01
.71121068+00	.13199451+01	.18668696+00	.19666498+01	.16945362+01
.71251937+00	.13205352+01	.18591678+00	.19777551+01	.17086198+01
.71382806+00	.13211318+01	.18514232+00	.19891199+01	.17229893+01
.71513676+00	.13217349+01	.18436337+00	.20007650+01	.17376559+01
.71644545+00	.13223449+01	.18357975+00	.20126714+01	.17526313+01
.71775415+00	.13229619+01	.18279123+00	.20248815+01	.17679286+01
.71906284+00	.13235861+01	.18199758+00	.20373977+01	.17835608+01
.72006754+00	.13240414+01	.18142133+00	.20466305+01	.17950612+01

$$.21978311-01 = \Delta S/R$$

$$.23476306+01 = P_s/P_{\infty}$$

$$.16540753+01 = \rho_s/\rho_{\infty}$$

$$.14193010+01 = T_s/T_{\infty}$$

16 TABLE 165. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 2.5$

u_s	M_∞	θ_s	θ_w	
.69946598+00	.24999961+01	.39269907+00	.62946333+00	
θ	M_1^*	ψ_1	x	r
.39269907+00	.13989057+01	.39269907+00	.12071068+01	.50000000+00
.39968038+00	.13989722+01	.38583244+00	.12153151+01	.51336919+00
.40666170+00	.13991644+01	.37918380+00	.12238630+01	.52707866+00
.41364301+00	.13994729+01	.37273730+00	.12327685+01	.54114749+00
.42062432+00	.13998895+01	.36647845+00	.12420511+01	.55559624+00
.42716930+00	.14003719+01	.36076940+00	.12511149+01	.56950670+00
.43371429+00	.14009378+01	.35520852+00	.12605479+01	.58379028+00
.44025927+00	.14015825+01	.34977145+00	.12703709+01	.59846828+00
.44680425+00	.14023021+01	.34446442+00	.12806062+01	.61356363+00
.45291290+00	.14030381+01	.33961678+00	.12905529+01	.62805107+00
.45902155+00	.14038337+01	.33486465+00	.13009018+01	.64294562+00
.46513020+00	.14046868+01	.33020205+00	.13116763+01	.65827079+00
.47123884+00	.14055952+01	.32562331+00	.13229022+01	.67405223+00
.47691116+00	.14064871+01	.32144199+00	.13337547+01	.68913917+00
.48258348+00	.14074244+01	.31732414+00	.13450448+01	.70466758+00
.48825580+00	.14084060+01	.31326573+00	.13567988+01	.72066339+00
.49392811+00	.14094313+01	.30926283+00	.13690457+01	.73715504+00
.49916410+00	.14104161+01	.30561385+00	.13808153+01	.75284481+00
.50440004+00	.14114373+01	.30200593+00	.13930586+01	.76900946+00
.50963598+00	.14124948+01	.29843626+00	.14058054+01	.78567779+00
.51487193+00	.14135886+01	.29490197+00	.14190878+01	.80288088+00
.51967154+00	.14146229+01	.29169081+00	.14317640+01	.81914910+00
.52447115+00	.14156881+01	.28850483+00	.14449496+01	.83592360+00
.52927076+00	.14167841+01	.28534181+00	.14586771+01	.85323542+00
.53407037+00	.14179115+01	.28219949+00	.14729820+01	.87111833+00
.53884336+00	.14189638+01	.27935901+00	.14865201+01	.88790207+00
.54279694+00	.14200429+01	.27653209+00	.15005995+01	.90521855+00
.54716022+00	.14211491+01	.27371700+00	.15152553+01	.92310070+00
.55152351+00	.14222831+01	.27091197+00	.15305256+01	.94158448+00
.55545046+00	.14233280+01	.26839446+00	.15448291+01	.95876682+00
.55937742+00	.14243966+01	.26588226+00	.15596981+01	.97649980+00
.56330437+00	.14254895+01	.26337380+00	.15751695+01	.99481771+00
.56723133+00	.14266074+01	.26086770+00	.15912837+01	.10137580+01
.57072195+00	.14276228+01	.25864063+00	.16061825+01	.10311492+01
.57421258+00	.14286593+01	.25641301+00	.16216582+01	.10490960+01
.57770321+00	.14297176+01	.25418355+00	.16377482+01	.10676328+01
.58119383+00	.14307985+01	.25195100+00	.16544932+01	.10867970+01
.58424813+00	.14317635+01	.24999893+00	.16697178+01	.11041127+01
.58730175+00	.14327482+01	.24803223+00	.16855078+01	.11219663+01
.59035537+00	.14337522+01	.24606915+00	.17019026+01	.11403946+01

TABLE 165. (Concluded)

$M_{\infty} = .24999961+01$			$\Theta_s = .39269907+00$	
Θ	M_1^*	ψ_1	\underline{x}	\underline{r}
.59340899+00	.14347762+01	.24409157+00	.17189417+01	.11594334+01
.59602638+00	.14356706+01	.24239390+00	.17340920+01	.11762678+01
.59664377+00	.14365809+01	.24068988+00	.17497772+01	.11936064+01
.60126116+00	.14375077+01	.23897871+00	.17660293+01	.12114781+01
.60387855+00	.14384517+01	.23725945+00	.17828839+01	.12299151+01
.60605971+00	.14392521+01	.23581982+00	.17974173+01	.12457358+01
.60824087+00	.14400654+01	.23437335+00	.18124199+01	.12619945+01
.61042202+00	.14408922+01	.23291936+00	.18279182+01	.12787151+01
.61260318+00	.14417330+01	.23145718+00	.18439405+01	.12959227+01
.61434811+00	.14424162+01	.23028113+00	.18571563+01	.13100580+01
.61609303+00	.14431089+01	.22909898+00	.18707444+01	.13245378+01
.61783796+00	.14438116+01	.22791033+00	.18847228+01	.13393784+01
.61958288+00	.14445247+01	.22671482+00	.18991114+01	.13545972+01
.62089158+00	.14450666+01	.22581838+00	.19101846+01	.13662707+01
.62220027+00	.14456146+01	.22490758+00	.19215098+01	.13781758+01
.62350897+00	.14461691+01	.22399718+00	.19330974+01	.13903217+01
.62481766+00	.14467302+01	.22308204+00	.19449579+01	.14027176+01
.62612636+00	.14472980+01	.22216185+00	.19571023+01	.14153734+01
.62743505+00	.14478729+01	.22123639+00	.19695431+01	.14282999+01
.62874375+00	.14484550+01	.22030535+00	.19822930+01	.14415084+01
.62946333+00	.14487782+01	.21979897+00	.19894400+01	.14488954+01

$$.56032851-01 = \Delta S/R$$

$$.29427356+01 = P_g/P_{\infty}$$

$$.18685767+01 = \rho_g/\rho_{\infty}$$

$$.15748541+01 = T_g/T_{\infty}$$

TABLE 166. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 3.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.74853406+00	.29999969+01	.39269907+00	.57930831+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.39269907+00	.14970400+01	.39269907+00	.12071068+01	.50000000+00
.39793506+00	.14970803+01	.38752783+00	.12152431+01	.51084115+00
.40317104+00	.14971979+01	.38248052+00	.12236592+01	.52193484+00
.40840703+00	.14973882+01	.37754932+00	.12323682+01	.53329331+00
.41364301+00	.14976475+01	.37272692+00	.12413845+01	.54492968+00
.41887899+00	.14979722+01	.36800655+00	.12507236+01	.55685797+00
.42411498+00	.14983593+01	.36338184+00	.12604019+01	.56909323+00
.42935096+00	.14988059+01	.35884686+00	.12704374+01	.58165158+00
.43458695+00	.14993096+01	.35439596+00	.12808494+01	.59455044+00
.43982293+00	.14998682+01	.35002384+00	.12916589+01	.60780848+00
.44505892+00	.15004799+01	.34572544+00	.13028885+01	.62144585+00
.44992224+00	.15010289+01	.34219426+00	.13125851+01	.63311583+00
.45378556+00	.15016128+01	.33871223+00	.13226061+01	.64507800+00
.45814888+00	.15022307+01	.33527075+00	.13329679+01	.65734693+00
.46251220+00	.15028822+01	.33186930+00	.13436883+01	.66993820+00
.46687552+00	.15035665+01	.32850540+00	.13547867+01	.68286862+00
.47123884+00	.15042834+01	.32517663+00	.13662837+01	.69615623+00
.47560216+00	.15050324+01	.32188066+00	.13782018+01	.70982047+00
.47996549+00	.15058134+01	.31861512+00	.13905654+01	.72388240+00
.48432881+00	.15066262+01	.31537772+00	.14034008+01	.73836475+00
.48869213+00	.15074707+01	.31216615+00	.14167367+01	.75329212+00
.49218278+00	.15081692+01	.30961394+00	.14277867+01	.76557239+00
.49567344+00	.15088882+01	.30707560+00	.14391945+01	.77816943+00
.49916410+00	.15096277+01	.30454996+00	.14509788+01	.79109918+00
.50265473+00	.15103880+01	.30203878+00	.14631594+01	.80437846+00
.50614536+00	.15111690+01	.29953182+00	.14757580+01	.81802578+00
.50963598+00	.15119713+01	.29703693+00	.14887984+01	.83206099+00
.51312661+00	.15127951+01	.29454977+00	.15023058+01	.84650543+00
.51661724+00	.15136407+01	.29206907+00	.15163079+01	.86138231+00
.52010787+00	.15145086+01	.28959353+00	.15308345+01	.87671666+00
.52359849+00	.15153993+01	.28712174+00	.15459184+01	.89253581+00
.52621346+00	.15160826+01	.28526945+00	.15576184+01	.90473607+00
.52883443+00	.15167792+01	.28341789+00	.15696681+01	.91723924+00
.53145240+00	.15174895+01	.28156631+00	.15820851+01	.93005989+00
.53407037+00	.15182137+01	.27971407+00	.15948882+01	.94321340+00
.53668834+00	.15189524+01	.27786051+00	.16080974+01	.95671654+00
.53930631+00	.15197056+01	.27600484+00	.16217346+01	.97058719+00
.54192880+00	.15204748+01	.27414613+00	.16356207+01	.98484208+00
.54454119+00	.15212597+01	.27228374+00	.16503831+01	.99950405+00
.54715858+00	.15220605+01	.27041683+00	.16654498+01	.10145961+01

TABLE 166. (Concluded)

$$M_{\infty} = .29999969+01$$

$$\Theta_s = .39269907+00$$

Θ	M_1^*	ψ_1	x	r
.54977597+00	.15228780+01	.26854454+00	.16810508+01	.10301429+01
.55152089+00	.15234324+01	.26729284+00	.16917643+01	.10407730+01
.55326582+00	.15239947+01	.26603808+00	.17027399+01	.10516252+01
.55501074+00	.15245650+01	.26477986+00	.17139888+01	.10627086+01
.55675567+00	.15251434+01	.26351790+00	.17255226+01	.10740328+01
.55850060+00	.15257303+01	.26225187+00	.17373537+01	.10856076+01
.56024552+00	.15263259+01	.26098137+00	.17494955+01	.10974439+01
.56199045+00	.15269304+01	.25970609+00	.17619618+01	.11095528+01
.56373537+00	.15275441+01	.25842559+00	.17747680+01	.11219469+01
.56548030+00	.15281672+01	.25713950+00	.17879302+01	.11346390+01
.56722523+00	.15288002+01	.25584733+00	.18014655+01	.11476429+01
.56897769+00	.15294432+01	.25454872+00	.18153924+01	.11609734+01
.56984261+00	.15297686+01	.25389680+00	.18225090+01	.11677663+01
.57071508+00	.15300967+01	.25324308+00	.18297310+01	.11746468+01
.57158754+00	.15304275+01	.25258746+00	.18370613+01	.11816173+01
.57246000+00	.15307611+01	.25192991+00	.18445028+01	.11886800+01
.57333247+00	.15310974+01	.25127033+00	.18520582+01	.11958373+01
.57420493+00	.15314367+01	.25060867+00	.18597307+01	.12030916+01
.57507739+00	.15317788+01	.24994484+00	.18675235+01	.12104454+01
.57594986+00	.15321240+01	.24927881+00	.18754399+01	.12179014+01
.57682232+00	.15324721+01	.24861041+00	.18834832+01	.12254623+01
.57769478+00	.15328234+01	.24793965+00	.18916572+01	.12331310+01
.57856724+00	.15331778+01	.24726632+00	.18999655+01	.12409104+01
.57930831+00	.15334814+01	.24669249+00	.19071310+01	.12476075+01

$$.11114110+00 = \Delta S/R$$

$$.36710110+01 = P_s/P_{\infty}$$

$$.20871654+01 = \rho_s/\rho_{\infty}$$

$$.17588501+01 = T_s/T_{\infty}$$

TABLE 167. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 4.0$

u_s	M_∞	θ_s	θ_w	
.80660398+00	.39999852+01	.39269907+00	.52762536+00	
θ	M_1^*	ψ_1	x	r
.39269907+00	.16131777+01	.39269907+00	.12071068+01	.50000000+00
.39618973+00	.16131971+01	.38923730+00	.12144814+01	.50802857+00
.39968038+00	.16132543+01	.38583125+00	.12220546+01	.51621602+00
.40317104+00	.16133478+01	.38247798+00	.12298339+01	.52456859+00
.40666170+00	.16134762+01	.37917469+00	.12378278+01	.53309282+00
.41015235+00	.16136385+01	.37591872+00	.12460450+01	.54179575+00
.41364301+00	.16138333+01	.37270757+00	.12544949+01	.55068471+00
.41713367+00	.16140599+01	.36953880+00	.12631875+01	.55976761+00
.42062432+00	.16143173+01	.36641013+00	.12721335+01	.56905275+00
.42411498+00	.16146046+01	.36331931+00	.12813440+01	.57854896+00
.42760564+00	.16149212+01	.36026422+00	.12908314+01	.58826572+00
.43109629+00	.16152663+01	.35724279+00	.13006084+01	.59821295+00
.43458695+00	.16156394+01	.35425301+00	.13106888+01	.60840142+00
.43807761+00	.16160401+01	.35129293+00	.13210875+01	.61884256+00
.44156826+00	.16164678+01	.34836065+00	.13318206+01	.62954863+00
.44505892+00	.16169223+01	.34545429+00	.13429048+01	.64053266+00
.44767691+00	.16172805+01	.34329043+00	.13514595+01	.64896154+00
.45029490+00	.16176534+01	.34113935+00	.13602304+01	.65756099+00
.45291290+00	.16180410+01	.33900028+00	.13692262+01	.66633770+00
.45553089+00	.16184433+01	.33687248+00	.13784563+01	.67529867+00
.45814888+00	.16188601+01	.33475519+00	.13879304+01	.68445144+00
.46076687+00	.16192916+01	.33264763+00	.13976591+01	.69380389+00
.46338487+00	.16197376+01	.33054907+00	.14076534+01	.70336442+00
.46600286+00	.16201982+01	.32845873+00	.14179252+01	.71314199+00
.46862085+00	.16206736+01	.32637585+00	.14284872+01	.72314607+00
.47123884+00	.16211636+01	.32429964+00	.14393528+01	.73338679+00
.47385684+00	.16216685+01	.32222932+00	.14505366+01	.74387501+00
.47647483+00	.16221884+01	.32016408+00	.14620538+01	.75462214+00
.47909282+00	.16227234+01	.31810311+00	.14739212+01	.76564062+00
.48171081+00	.16232738+01	.31604556+00	.14861563+01	.77694360+00
.48432881+00	.16238397+01	.31399058+00	.14987783+01	.78854529+00
.48694741+00	.16242257+01	.31262157+00	.15074181+01	.79645319+00
.48781946+00	.16246188+01	.31125307+00	.15162454+01	.80450535+00
.48956479+00	.16250191+01	.30988472+00	.15252670+01	.81270686+00
.49131012+00	.16254267+01	.30851632+00	.15344903+01	.82106303+00
.49305545+00	.16258416+01	.30714753+00	.15439228+01	.82957949+00
.49480078+00	.16262641+01	.30577806+00	.15535725+01	.83826209+00
.49654610+00	.16266941+01	.30440759+00	.15634480+01	.84711712+00
.49829140+00	.16271326+01	.30303400+00	.15735580+01	.85615092+00
.50003669+00	.16275789+01	.30166277+00	.15839121+01	.86537060+00

TABLE 167. (Concluded)

$M_{\infty} = .39999852+01$			$\Theta_s = .39269907+00$	
Θ	M_1^*	ψ_1	\underline{x}	\underline{r}
.50178162+00	.16280333+01	.30028719+00	.15945183+01	.87478159+00
.50352655+00	.16284959+01	.29890927+00	.16053895+01	.88439360+00
.50527147+00	.16289668+01	.29752867+00	.16165368+01	.89421488+00
.50701640+00	.16294463+01	.29614497+00	.16279725+01	.90425426+00
.50876132+00	.16299345+01	.29475777+00	.16397094+01	.91452100+00
.51050625+00	.16304317+01	.29336669+00	.16517612+01	.92502515+00
.51137871+00	.16306837+01	.29266956+00	.16579097+01	.93036951+00
.51225118+00	.16309381+01	.29197127+00	.16641426+01	.93577726+00
.51312364+00	.16311948+01	.29127178+00	.16704618+01	.94124990+00
.51399610+00	.16314539+01	.29057103+00	.16768694+01	.94678880+00
.51486856+00	.16317155+01	.28986897+00	.16833675+01	.95239556+00
.51574103+00	.16319795+01	.28916552+00	.16899582+01	.95807173+00
.51661349+00	.16322459+01	.28846060+00	.16966440+01	.96381903+00
.51748595+00	.16325150+01	.28775416+00	.17034273+01	.96963916+00
.51835842+00	.16327866+01	.28704619+00	.17103103+01	.97553384+00
.51923088+00	.16330608+01	.28633649+00	.17172958+01	.98150497+00
.52010334+00	.16333376+01	.28562512+00	.17243863+01	.98755439+00
.52097581+00	.16336172+01	.28491190+00	.17315846+01	.99368414+00
.52184827+00	.16338995+01	.28419685+00	.17388937+01	.99989622+00
.52272073+00	.16341846+01	.28347980+00	.17463165+01	.10061929+01
.52359319+00	.16344726+01	.28276071+00	.17538561+01	.10125763+01
.52446566+00	.16347634+01	.28203952+00	.17615157+01	.10190486+01
.52533812+00	.16350572+01	.28131611+00	.17692986+01	.10256124+01
.52621058+00	.16353540+01	.28059036+00	.17772084+01	.10322701+01
.52708305+00	.16356538+01	.27986226+00	.17852489+01	.10390244+01
.52796253+00	.16358417+01	.27940843+00	.17903141+01	.10432726+01

$$.27760801+00 = \Delta S/R$$

$$.55183153+01 = P_s/P_{\infty}$$

$$.24937224+01 = \rho_s/\rho_{\infty}$$

$$.22128828+01 = T_s/T_{\infty}$$

TABLE 168. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 5.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.83759556+00	.49999998+01	.39269907+00	.50273708+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.39269907+00	.16751597+01	.39269907+00	.12071068+01	.50000000+00
.39662606+00	.16751852+01	.38880844+00	.12169667+01	.50969222+00
.40055305+00	.16752601+01	.38498719+00	.12271615+01	.51963575+00
.40448004+00	.16753823+01	.38123054+00	.12377083+01	.52984328+00
.40840703+00	.16755499+01	.37753398+00	.12486257+01	.54032854+00
.41233401+00	.16757615+01	.37389326+00	.12599339+01	.55110636+00
.41582467+00	.16759852+01	.37070069+00	.12703313+01	.56094508+00
.41931533+00	.16762416+01	.36754635+00	.12810713+01	.57103955+00
.42280598+00	.16765298+01	.36442762+00	.12921715+01	.58140266+00
.42629664+00	.16768493+01	.36134197+00	.13036512+01	.59204838+00
.42978730+00	.16771995+01	.35828695+00	.13155312+01	.60299163+00
.43284162+00	.16775306+01	.35563704+00	.13262721+01	.61282370+00
.43589595+00	.16778846+01	.35300715+00	.13373529+01	.62290755+00
.43895027+00	.16782612+01	.35039573+00	.13487908+01	.63325561+00
.44200459+00	.16786603+01	.34780123+00	.13606048+01	.64388134+00
.44505892+00	.16790818+01	.34522209+00	.13728149+01	.65479904+00
.44767691+00	.16794608+01	.34302248+00	.13836125+01	.66440117+00
.45029490+00	.16798563+01	.34083204+00	.13947320+01	.67423972+00
.45291290+00	.16802682+01	.33864982+00	.14061894+01	.68432591+00
.45553089+00	.16806965+01	.33647480+00	.14180015+01	.69467169+00
.45814888+00	.16811415+01	.33430598+00	.14301867+01	.70528994+00
.46033054+00	.16815251+01	.33250263+00	.14406403+01	.71435665+00
.46251220+00	.16819204+01	.33070227+00	.14513789+01	.72363072+00
.46469386+00	.16823276+01	.32890427+00	.14624154+01	.73312127+00
.46687552+00	.16827467+01	.32710802+00	.14737640+01	.74283811+00
.46905718+00	.16831779+01	.32531285+00	.14854394+01	.75279151+00
.47080251+00	.16835317+01	.32387705+00	.14950256+01	.76093197+00
.47254784+00	.16838934+01	.32244116+00	.15048400+01	.76923705+00
.47429317+00	.16842632+01	.32100482+00	.15148917+01	.77771305+00
.47603850+00	.16846412+01	.31956765+00	.15251904+01	.78636677+00
.47778380+00	.16850280+01	.31812939+00	.15357464+01	.79520523+00
.47909278+00	.16853238+01	.31704967+00	.15438389+01	.80195988+00
.48040175+00	.16856244+01	.31596889+00	.15520874+01	.80882624+00
.48171072+00	.16859299+01	.31488684+00	.15604968+01	.81580769+00
.48301970+00	.16862403+01	.31380336+00	.15690728+01	.82290812+00
.48432867+00	.16865558+01	.31271824+00	.15778206+01	.83013120+00
.48520132+00	.16867689+01	.31199382+00	.15837512+01	.83501683+00
.48607397+00	.16869844+01	.31126853+00	.15897626+01	.83996005+00
.48694662+00	.16872021+01	.31054234+00	.15958569+01	.84496222+00
.48781927+00	.16874223+01	.30981511+00	.16020360+01	.85002465+00

TABLE 168. (Concluded)

$$M_{\infty} = .49999998+01$$

$$\Theta_s = .39269907+00$$

Θ	M_1^*	ψ_1	x	r
.48869192+00	.16876447+01	.30908683+00	.16083019+01	.85514873+00
.48912824+00	.16877569+01	.30872228+00	.16114682+01	.85773437+00
.48956457+00	.16878696+01	.30835744+00	.16146569+01	.86033593+00
.49000089+00	.16879830+01	.30799228+00	.16178684+01	.86295366+00
.49043722+00	.16880970+01	.30762685+00	.16211029+01	.86558771+00
.49087354+00	.16882116+01	.30726108+00	.16243608+01	.86823828+00
.49130987+00	.16883268+01	.30689498+00	.16276424+01	.87090561+00
.49174619+00	.16884426+01	.30652856+00	.16309478+01	.87358981+00
.49218252+00	.16885591+01	.30616181+00	.16342775+01	.87629119+00
.49261884+00	.16886762+01	.30579470+00	.16376317+01	.87900990+00
.49305516+00	.16887940+01	.30542724+00	.16410109+01	.88174620+00
.49349149+00	.16889124+01	.30505939+00	.16444152+01	.88450028+00
.49392781+00	.16890314+01	.30469118+00	.16478450+01	.88727232+00
.49436414+00	.16891511+01	.30432254+00	.16513006+01	.89006261+00
.49480046+00	.16892715+01	.30395355+00	.16547824+01	.89287131+00
.49523679+00	.16893925+01	.30358414+00	.16582907+01	.89569873+00
.49567311+00	.16895142+01	.30321430+00	.16618258+01	.89854501+00
.49610944+00	.16896365+01	.30284403+00	.16653882+01	.90141050+00
.49654576+00	.16897596+01	.30247334+00	.16689782+01	.90429541+00
.49698209+00	.16898833+01	.30210219+00	.16725961+01	.90719992+00
.49741841+00	.16900077+01	.30173058+00	.16762424+01	.91012441+00
.49785474+00	.16901328+01	.30135850+00	.16799173+01	.91306902+00
.49829106+00	.16902586+01	.30098592+00	.16836214+01	.91603412+00
.49872738+00	.16903851+01	.30061284+00	.16873550+01	.91901995+00
.49916371+00	.16905123+01	.30023927+00	.16911186+01	.92202677+00
.49960003+00	.16906403+01	.29986521+00	.16949124+01	.92505484+00
.50003635+00	.16907690+01	.29949059+00	.16987371+01	.92810448+00
.50047258+00	.16908984+01	.29911533+00	.17025921+01	.93117531+00
.50090881+00	.16910285+01	.29873954+00	.17064788+01	.93426833+00
.50134505+00	.16911594+01	.29836317+00	.17103976+01	.93738384+00
.50178128+00	.16912910+01	.29798626+00	.17143490+01	.94052209+00
.50221751+00	.16914234+01	.29760870+00	.17183335+01	.94368348+00
.50265374+00	.16915566+01	.29723058+00	.17223514+01	.94686823+00
.50273708+00	.16915821+01	.29715829+00	.17231228+01	.94747937+00

$$.49582300+00 = \Delta S/R$$

$$.78866630+01 = P_s/P_{\infty}$$

$$.28313226+01 = \rho_s/\rho_{\infty}$$

$$.27855050+01 = T_s/T_{\infty}$$

u_s	M_∞	θ_s	θ_w	
.85577197+00	.59999861+01	.39269907+00	.48886566+00	
θ	M_1^*	ψ_1	x	r
.39269907+00	.17115119+01	.39269907+00	.12071068+01	.50000000+00
.39618973+00	.17115325+01	.38923715+00	.12168264+01	.50900947+00
.39968038+00	.17115932+01	.38583011+00	.12268606+01	.51824619+00
.40317104+00	.17116924+01	.38247419+00	.12372253+01	.52772129+00
.40666170+00	.17118290+01	.37916585+00	.12479374+01	.53744671+00
.41015235+00	.17120016+01	.37590173+00	.12590149+01	.54743522+00
.41364301+00	.17122092+01	.37267860+00	.12704776+01	.55770064+00
.41669733+00	.17124190+01	.36988958+00	.12808401+01	.56692170+00
.41975166+00	.17126544+01	.36712760+00	.12915291+01	.57637677+00
.42280598+00	.17129149+01	.36439070+00	.13025611+01	.58607739+00
.42586031+00	.17132003+01	.36167700+00	.13139539+01	.59603588+00
.42891463+00	.17135101+01	.35898464+00	.13257267+01	.60626543+00
.43196896+00	.17138442+01	.35631178+00	.13378998+01	.61678021+00
.43458695+00	.17141497+01	.35403489+00	.13486696+01	.62603154+00
.43720494+00	.17144727+01	.35176986+00	.13597652+01	.63551407+00
.43982293+00	.17148133+01	.34951553+00	.13712028+01	.64523900+00
.44244093+00	.17151714+01	.34727078+00	.13830000+01	.65521821+00
.44505892+00	.17155470+01	.34503443+00	.13951754+01	.66546444+00
.44767691+00	.17159403+01	.34280534+00	.14077493+01	.67599152+00
.44985857+00	.17162815+01	.34095245+00	.14185479+01	.68498927+00
.45204023+00	.17166351+01	.33910307+00	.14296517+01	.69420150+00
.45422189+00	.17170011+01	.33725650+00	.14410757+01	.70363802+00
.45640355+00	.17173798+01	.33541200+00	.14528353+01	.71330937+00
.45858521+00	.17177712+01	.33356884+00	.14649473+01	.72322678+00
.46076687+00	.17181755+01	.33172423+00	.14774297+01	.73340236+00
.46251220+00	.17185084+01	.33025203+00	.14876952+01	.74173734+00
.46425753+00	.17188498+01	.32877725+00	.14982205+01	.75025283+00
.46600285+00	.17192000+01	.32730148+00	.15090170+01	.75895636+00
.46774815+00	.17195595+01	.32582434+00	.15200965+01	.76785582+00
.46949345+00	.17199279+01	.32434527+00	.15314721+01	.77695988+00
.47123875+00	.17203053+01	.32286385+00	.15431572+01	.78627757+00
.47254772+00	.17205944+01	.32175993+00	.15521329+01	.79341181+00
.47385669+00	.17208889+01	.32063615+00	.15612975+01	.80067592+00
.47516567+00	.17211886+01	.31951930+00	.15706577+01	.80807452+00
.47647464+00	.17214939+01	.31840014+00	.15802209+01	.81561235+00
.47778362+00	.17218047+01	.31727843+00	.15899949+01	.82329454+00
.47909259+00	.17221212+01	.31615392+00	.15999874+01	.83112630+00
.47996524+00	.17223354+01	.31540255+00	.16067748+01	.83643338+00
.48083789+00	.17225522+01	.31464973+00	.16136658+01	.84181119+00
.48171054+00	.17227716+01	.31389539+00	.16206633+01	.84726161+00
.48258319+00	.17229937+01	.31313944+00	.16277700+01	.85278641+00
.48345584+00	.17232185+01	.31238178+00	.16349889+01	.85838760+00
.48432849+00	.17234461+01	.31162233+00	.16423232+01	.86406721+00
.48474481+00	.17235609+01	.31124191+00	.16460345+01	.86693705+00
.48520114+00	.17236765+01	.31086100+00	.16497760+01	.86982737+00
.48563746+00	.17237927+01	.31047961+00	.16535479+01	.87273833+00
.48607378+00	.17239097+01	.31009771+00	.16573507+01	.87567024+00
.48651011+00	.17240274+01	.30971527+00	.16611850+01	.87862343+00
.48694643+00	.17241458+01	.30933231+00	.16650510+01	.88159823+00
.48738276+00	.17242650+01	.30894879+00	.16689493+01	.88459482+00
.48781908+00	.17243849+01	.30856474+00	.16728804+01	.88761358+00
.48825541+00	.17245056+01	.30818009+00	.16768446+01	.89065482+00
.48869173+00	.17246270+01	.30779485+00	.16808426+01	.89371889+00
.48886566+00	.17246756+01	.30764114+00	.16824458+01	.89494672+00

.73980698+00 = $\Delta S/R$

.10777171+02 = P_s/P_∞

.30971981+01 = ρ_s/ρ_∞

.34796518+01 = T_s/T_∞

TABLE 170. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 8.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.87490906+00	.80000535+01	.39269907+00	.47477905+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.39269907+00	.17497853+01	.39269907+00	.12071069+01	.50000000+00
.39531706+00	.17497972+01	.39009730+00	.12152719+01	.50711357+00
.39793506+00	.17498324+01	.38752672+00	.12236515+01	.51437569+00
.40055305+00	.17498902+01	.38498550+00	.12322542+01	.52179220+00
.40317104+00	.17499700+01	.38247190+00	.12410894+01	.52936944+00
.40578903+00	.17500713+01	.37998423+00	.12501669+01	.53711406+00
.40840703+00	.17501936+01	.37752090+00	.12594974+01	.54503317+00
.41102502+00	.17503364+01	.37508033+00	.12690921+01	.55313428+00
.41364301+00	.17504994+01	.37266101+00	.12789627+01	.56142534+00
.41582467+00	.17506504+01	.37066808+00	.12874084+01	.56848588+00
.41800633+00	.17508150+01	.36867204+00	.12960627+01	.57568952+00
.42018799+00	.17509930+01	.36669608+00	.13049337+01	.58304181+00
.42236965+00	.17511845+01	.36473138+00	.13140303+01	.59054856+00
.42455131+00	.17513891+01	.36277714+00	.13233619+01	.59821606+00
.42673297+00	.17516068+01	.36083256+00	.13329385+01	.60605077+00
.42891463+00	.17518377+01	.35889686+00	.13427707+01	.61405978+00
.43109629+00	.17520815+01	.35696923+00	.13528696+01	.62225042+00
.43328416+00	.17522860+01	.35543241+00	.13611488+01	.62893899+00
.43548695+00	.17524987+01	.35389985+00	.13696129+01	.63575310+00
.43633228+00	.17527198+01	.35237113+00	.13782689+01	.64269727+00
.43807761+00	.17529492+01	.35084584+00	.13871239+01	.64977627+00
.43982293+00	.17531870+01	.34932356+00	.13961856+01	.65699502+00
.44156826+00	.17534332+01	.34780388+00	.14054622+01	.66435885+00
.44331359+00	.17536879+01	.34628436+00	.14149621+01	.67187332+00
.44505892+00	.17539511+01	.34477056+00	.14246943+01	.67954425+00
.44636792+00	.17541540+01	.34363458+00	.14321518+01	.68540393+00
.44767691+00	.17543619+01	.34249913+00	.14397496+01	.69135784+00
.44898591+00	.17545746+01	.34136400+00	.14474924+01	.69740900+00
.45029490+00	.17547923+01	.34022902+00	.14553847+01	.70356037+00
.45160390+00	.17550149+01	.33909396+00	.14634315+01	.70981514+00
.45291290+00	.17552425+01	.33795864+00	.14716379+01	.71617662+00
.45422189+00	.17554752+01	.33682283+00	.14800095+01	.72264832+00
.45553087+00	.17557134+01	.33568634+00	.14885516+01	.72923379+00
.45640352+00	.17558751+01	.33492820+00	.14943441+01	.73368919+00
.45727617+00	.17560392+01	.33416958+00	.15002169+01	.73819805+00
.45814882+00	.17562057+01	.33341041+00	.15061721+01	.74276169+00
.45902147+00	.17563745+01	.33265062+00	.15122115+01	.74738124+00
.45989412+00	.17565456+01	.33189014+00	.15183372+01	.75205810+00
.46076677+00	.17567193+01	.33112889+00	.15245514+01	.75679360+00
.46163942+00	.17568953+01	.33036681+00	.15308562+01	.76158913+00

TABLE 170. (Concluded)

$M_{\infty} = .80000535+01$			$\Theta_s = .39269907+00$	
Θ	M_1^*	ψ_1	x	r
.46251207+00	.17570738+01	.32960381+00	.15372539+01	.76644619+00
.46294839+00	.17571639+01	.32922194+00	.15404884+01	.76889823+00
.46338472+00	.17572547+01	.32883982+00	.15437468+01	.77136617+00
.46382104+00	.17573462+01	.32845742+00	.15470298+01	.77385030+00
.46425737+00	.17574382+01	.32807475+00	.15503375+01	.77635077+00
.46469369+00	.17575309+01	.32769179+00	.15536703+01	.77886778+00
.46513002+00	.17576243+01	.32730853+00	.15570285+01	.78140155+00
.46556634+00	.17577182+01	.32692496+00	.15604124+01	.78395231+00
.46600267+00	.17578128+01	.32654107+00	.15638224+01	.78652022+00
.46643899+00	.17579081+01	.32615684+00	.15672587+01	.78910553+00
.46687531+00	.17580041+01	.32577227+00	.15707220+01	.79170852+00
.46731164+00	.17581007+01	.32538735+00	.15742123+01	.79432934+00
.46774796+00	.17581979+01	.32500207+00	.15777301+01	.79696824+00
.46818429+00	.17582958+01	.32461642+00	.15812757+01	.79962547+00
.46862061+00	.17583944+01	.32423037+00	.15848497+01	.80230132+00
.46905694+00	.17584937+01	.32384393+00	.15884524+01	.80499597+00
.46949326+00	.17585937+01	.32345708+00	.15920841+01	.80770972+00
.46992959+00	.17586943+01	.32306980+00	.15957451+01	.81044275+00
.47036591+00	.17587957+01	.32268208+00	.15994361+01	.81319539+00
.47080224+00	.17588977+01	.32229392+00	.16031574+01	.81596790+00
.47123856+00	.17590005+01	.32190529+00	.16069095+01	.81876057+00
.47167489+00	.17591039+01	.32151619+00	.16106926+01	.82157362+00
.47211121+00	.17592081+01	.32112660+00	.16145075+01	.82440741+00
.47254753+00	.17593130+01	.32073649+00	.16183543+01	.82726215+00
.47298386+00	.17594186+01	.32034589+00	.16222338+01	.83013819+00
.47342018+00	.17595249+01	.31995475+00	.16261463+01	.83303588+00
.47385651+00	.17596320+01	.31956306+00	.16300924+01	.83595547+00
.47429283+00	.17597398+01	.31917082+00	.16340725+01	.83889727+00
.47472916+00	.17598484+01	.31877800+00	.16380872+01	.84186164+00
.47477905+00	.17598609+01	.31873304+00	.16385485+01	.84220202+00

$$.12423280+01 = \Delta S/R$$

$$.18129032+02 = P_s/P_{\infty}$$

$$.34608974+01 = \rho_s/\rho_{\infty}$$

$$.52382462+01 = T_s/T_{\infty}$$

TABLE 171. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 10.0$

u_s	M_∞	θ_s	θ_w	
.88415708+00	.99999945+01	.39269907+00	.46814787+00	
θ	M_1^*	ψ_1	x	r
.39269907+00	.17682810+01	.39269907+00	.12071068+01	.50000000+00
.39488073+00	.17682894+01	.39052870+00	.12143168+01	.50609306+00
.39706239+00	.17683142+01	.38838013+00	.12216914+01	.51229770+00
.39924405+00	.17683550+01	.38625221+00	.12292362+01	.51861771+00
.40142571+00	.17684115+01	.38414384+00	.12369574+01	.52505723+00
.40360737+00	.17684833+01	.38205397+00	.12448615+01	.53162052+00
.40578903+00	.17685701+01	.37998157+00	.12529556+01	.53831217+00
.40797069+00	.17686717+01	.37792563+00	.12612468+01	.54513692+00
.41015235+00	.17687878+01	.37588519+00	.12697426+01	.55209977+00
.41233401+00	.17689183+01	.37385930+00	.12784513+01	.55920603+00
.41451567+00	.17690628+01	.37184704+00	.12873816+01	.56646144+00
.41669733+00	.17692213+01	.36984749+00	.12965427+01	.57387190+00
.41844266+00	.17693580+01	.36825639+00	.13040440+01	.57991610+00
.42018799+00	.17695035+01	.36667241+00	.13117045+01	.58606701+00
.42193332+00	.17696577+01	.36509508+00	.13195295+01	.59232810+00
.42367865+00	.17698205+01	.36352896+00	.13275249+01	.59870324+00
.42542398+00	.17699920+01	.36195859+00	.13356969+01	.60519632+00
.42716930+00	.17701721+01	.36039855+00	.13440518+01	.61181153+00
.42891463+00	.17703608+01	.35884337+00	.13525964+01	.61855318+00
.43065996+00	.17705581+01	.35729261+00	.13613379+01	.62542590+00
.43240529+00	.17707639+01	.35574582+00	.13702838+01	.63243456+00
.43415062+00	.17709784+01	.35420255+00	.13794422+01	.63958427+00
.43589595+00	.17712015+01	.35266233+00	.13888216+01	.64688047+00
.43720494+00	.17713745+01	.35115089+00	.13984064+01	.65424521+00
.43851394+00	.17715524+01	.35035672+00	.14033244+01	.65811194+00
.43982293+00	.17717352+01	.34920560+00	.14107799+01	.66386256+00
.44113193+00	.17719229+01	.34805534+00	.14183772+01	.66970677+00
.44244093+00	.17721156+01	.34690572+00	.14261209+01	.67564742+00
.44374992+00	.17723133+01	.34575654+00	.14340156+01	.68168753+00
.44505892+00	.17725161+01	.34460758+00	.14420665+01	.68783034+00
.44636792+00	.17727239+01	.34345862+00	.14502787+01	.69407914+00
.44767691+00	.17729369+01	.34230944+00	.14586578+01	.70043742+00
.44898591+00	.17731550+01	.34115981+00	.14672097+01	.70690887+00
.45029489+00	.17733787+01	.34000953+00	.14759402+01	.71349726+00
.45160387+00	.17735309+01	.33924219+00	.14818630+01	.71795645+00
.45291284+00	.17736855+01	.33847435+00	.14878701+01	.72247073+00
.45422182+00	.17738424+01	.33770596+00	.14939636+01	.72704133+00
.45553079+00	.17740018+01	.33693694+00	.15001455+01	.73166964+00
.45683977+00	.17741636+01	.33616719+00	.15064182+01	.73635701+00
.45814875+00	.17743279+01	.33539666+00	.15127839+01	.74110490+00

TABLE 171. (Concluded)

$M_{\infty} = .99999945+01$		$\Theta_s = .39269907+00$		
$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.45640343+00	.17744946+01	.33462526+00	.15192449+01	.74591475+00
.45727608+00	.17746639+01	.33385290+00	.15258038+01	.75078820+00
.45814873+00	.17748357+01	.33307949+00	.15324631+01	.75572679+00
.45902138+00	.17750100+01	.33230495+00	.15392254+01	.76073218+00
.45989403+00	.17751870+01	.33152920+00	.15460936+01	.76580612+00
.46033036+00	.17752764+01	.33114084+00	.15495683+01	.76836938+00
.46076668+00	.17753666+01	.33075213+00	.15530706+01	.77095047+00
.46120301+00	.17754573+01	.33036308+00	.15566008+01	.77354959+00
.46163933+00	.17755488+01	.32997367+00	.15601593+01	.77616700+00
.46207565+00	.17756409+01	.32958388+00	.15637465+01	.77880298+00
.46251198+00	.17757338+01	.32919870+00	.15673628+01	.78145770+00
.46294830+00	.17758273+01	.32880312+00	.15710087+01	.78413153+00
.46338463+00	.17759215+01	.32841213+00	.15746844+01	.78682464+00
.46382095+00	.17760163+01	.32802071+00	.15783905+01	.78953728+00
.46425728+00	.17761119+01	.32762885+00	.15821275+01	.79226983+00
.46469360+00	.17762082+01	.32723455+00	.15858958+01	.79502252+00
.46512993+00	.17763052+01	.32684377+00	.15896958+01	.79777956+00
.46556625+00	.17764028+01	.32645051+00	.15935279+01	.80058938+00
.46600258+00	.17765013+01	.32605677+00	.15973927+01	.80340414+00
.46643890+00	.17766005+01	.32566251+00	.16012905+01	.80624015+00
.46687523+00	.17767003+01	.32526774+00	.16052221+01	.80909783+00
.46731155+00	.17768009+01	.32487243+00	.16091878+01	.81197742+00
.46774787+00	.17769023+01	.32447458+00	.16131881+01	.81487921+00
.46814787+00	.17769958+01	.32411318+00	.16168863+01	.81755921+00

$$.17181736+01 = \Delta S/R$$

$$.27577129+02 = P_s/P_{\infty}$$

$$.36798141+01 = \rho_s/\rho_{\infty}$$

$$.74941638+01 = T_s/T_{\infty}$$

TABLE 172. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 12.5$

u_s	M_∞	θ_s	θ_w	
.89021438+00	.12500000+02	.39269907+00	.46386329+00	
θ	M_1^*	ψ_1	x	r
.39269907+00	.17803954+01	.39269907+00	.12071068+01	.50000000+00
.39488073+00	.17804038+01	.39052869+00	.12146178+01	.50621851+00
.39706239+00	.17804288+01	.38838005+00	.12223057+01	.51255528+00
.39924405+00	.17804698+01	.38625195+00	.12301767+01	.51901454+00
.40142571+00	.17805267+01	.38414324+00	.12382380+01	.52560081+00
.40360737+00	.17805990+01	.38205281+00	.12464968+01	.53231888+00
.40578903+00	.17806865+01	.37997957+00	.12549609+01	.53917372+00
.40797069+00	.17807889+01	.37792249+00	.12636383+01	.54617061+00
.41015235+00	.17809059+01	.37588054+00	.12725379+01	.55331521+00
.41233401+00	.17810374+01	.37385272+00	.12816686+01	.56061331+00
.41451567+00	.17811831+01	.37183806+00	.12910405+01	.56807135+00
.41669733+00	.17813429+01	.36983560+00	.13006637+01	.57569592+00
.41844266+00	.17814809+01	.36824177+00	.13085507+01	.58192024+00
.42018799+00	.17816277+01	.36665466+00	.13166116+01	.58825950+00
.42193332+00	.17817834+01	.36507379+00	.13248527+01	.59471768+00
.42367865+00	.17819478+01	.36349867+00	.13332809+01	.60129913+00
.42542398+00	.17821210+01	.36192884+00	.13419029+01	.60800824+00
.42716930+00	.17823031+01	.36036882+00	.13507263+01	.61484976+00
.42891463+00	.17824938+01	.35880813+00	.13597588+01	.62182862+00
.43065996+00	.17826933+01	.35724628+00	.13690088+01	.62895007+00
.43240529+00	.17829016+01	.35569279+00	.13784851+01	.63621974+00
.43415062+00	.17831188+01	.35414216+00	.13881969+01	.64364342+00
.43589595+00	.17833448+01	.35259390+00	.13981542+01	.65122737+00
.43720494+00	.17835201+01	.35143396+00	.14057895+01	.65702447+00
.43851394+00	.17837004+01	.35027485+00	.14135734+01	.66291837+00
.43982293+00	.17838858+01	.34911634+00	.14215108+01	.66891214+00
.44113193+00	.17840763+01	.34795821+00	.14296069+01	.67500903+00
.44244093+00	.17842720+01	.34680824+00	.14378672+01	.68121240+00
.44374992+00	.17844728+01	.34564219+00	.14462971+01	.68752578+00
.44505892+00	.17846789+01	.34448381+00	.14549027+01	.69395289+00
.44636792+00	.17848902+01	.34332487+00	.14636903+01	.70049769+00
.44767689+00	.17851074+01	.34216916+00	.14726663+01	.70716415+00
.44898586+00	.17853301+01	.34100438+00	.14818378+01	.71395668+00
.45029484+00	.17855581+01	.33984224+00	.14912122+01	.72087993+00
.45116749+00	.17857133+01	.33906661+00	.14975783+01	.72557040+00
.45204014+00	.17858709+01	.33829017+00	.15040406+01	.73032262+00
.45291279+00	.17860310+01	.33751284+00	.15106015+01	.73513815+00
.45378543+00	.17861937+01	.33673454+00	.15172635+01	.74001852+00
.45465808+00	.17863589+01	.33595518+00	.15240292+01	.74496542+00
.45553073+00	.17865268+01	.33517466+00	.15309017+01	.74998061+00

TABLE 172. (Concluded)

$$M_{\infty} = .12500000+02$$

$$\Theta_s = .39269907+00$$

Θ	M_1^*	ψ_1	x	r
.45640338+00	.17866972+01	.33439288+00	.15378836+01	.75506585+00
.45727603+00	.17868704+01	.33360976+00	.15449782+01	.76022308+00
.45814868+00	.17870461+01	.33282519+00	.15521087+01	.76545426+00
.45902133+00	.17872247+01	.33203907+00	.15595182+01	.77076136+00
.45989398+00	.17874060+01	.33125129+00	.15669702+01	.77614656+00
.46033030+00	.17874977+01	.33085675+00	.15707432+01	.77886909+00
.46076663+00	.17875902+01	.33046176+00	.15745483+01	.78161201+00
.46120295+00	.17876833+01	.33006629+00	.15783859+01	.78437555+00
.46163928+00	.17877771+01	.32967034+00	.15822564+01	.78716003+00
.46207560+00	.17878717+01	.32927389+00	.15861603+01	.78996577+00
.46251193+00	.17879670+01	.32887693+00	.15900982+01	.79279309+00
.46294825+00	.17880630+01	.32847945+00	.15940706+01	.79564226+00
.46338458+00	.17881598+01	.32808142+00	.15980780+01	.79851361+00
.46382090+00	.17882573+01	.32768283+00	.16021209+01	.80140750+00
.46386329+00	.17882669+01	.32764407+00	.16025155+01	.80168985+00

$$.22525752+01 = \Delta S/R$$

$$.42338037+02 = P_s/P_{\infty}$$

$$.38432159+01 = \rho_s/\rho_{\infty}$$

$$.11016305+02 = T_s/T_{\infty}$$

/ TABLE 173. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 15.0$

u_s	M_∞	θ_s	θ_w	
.89355164+00	.15000111+02	.39269907+00	.46152193+00	
θ	M_1^*	ψ_1	x	r
.39269907+00	.17870698+01	.39269907+00	.12071068+01	.50000000+00
.39444440+00	.17870752+01	.39096098+00	.12132416+01	.50502373+00
.39618973+00	.17870913+01	.38923695+00	.12194935+01	.51012515+00
.39793506+00	.17871179+01	.38752633+00	.12258659+01	.51530655+00
.39968038+00	.17871547+01	.38582851+00	.12323625+01	.52057029+00
.40142571+00	.17872016+01	.38414288+00	.12389872+01	.52591882+00
.40317104+00	.17872584+01	.38246886+00	.12457438+01	.53135473+00
.40491637+00	.17873251+01	.38080589+00	.12526367+01	.53688076+00
.40666170+00	.17874013+01	.37915841+00	.12596702+01	.54249768+00
.40840703+00	.17874871+01	.37751087+00	.12668490+01	.54821446+00
.41015235+00	.17875823+01	.37587774+00	.12741778+01	.55402824+00
.41189768+00	.17876868+01	.37425349+00	.12816617+01	.55994421+00
.41364301+00	.17878005+01	.37263762+00	.12893061+01	.56596578+00
.41538834+00	.17879233+01	.37102960+00	.12971166+01	.57209656+00
.41713367+00	.17880552+01	.36942894+00	.13050991+01	.57834027+00
.41887899+00	.17881960+01	.36783513+00	.13132598+01	.58470087+00
.42018799+00	.17883075+01	.36664398+00	.13195010+01	.58955048+00
.42149699+00	.17884241+01	.36545619+00	.13258492+01	.59447003+00
.42280598+00	.17885456+01	.36427155+00	.13323071+01	.59946137+00
.42411498+00	.17886721+01	.36308986+00	.13388781+01	.60452658+00
.42542398+00	.17888036+01	.36191092+00	.13455653+01	.60966764+00
.42673297+00	.17889401+01	.36073450+00	.13523721+01	.61488671+00
.42804197+00	.17890815+01	.35956040+00	.13593022+01	.62018605+00
.42935096+00	.17892280+01	.35838841+00	.13663591+01	.62556799+00
.43065996+00	.17893794+01	.35721832+00	.13735469+01	.63103497+00
.43196896+00	.17895359+01	.35604990+00	.13808695+01	.63658951+00
.43327795+00	.17896974+01	.35488295+00	.13883313+01	.64223431+00
.43458695+00	.17898639+01	.35371723+00	.13959367+01	.64797220+00
.43589595+00	.17900355+01	.35255254+00	.14036904+01	.65380599+00
.43720494+00	.17902121+01	.35138864+00	.14115971+01	.65973881+00
.43851394+00	.17903939+01	.35022530+00	.14196622+01	.66577382+00
.43982294+00	.17905800+01	.34944994+00	.14251295+01	.66985561+00
.44025927+00	.17906443+01	.34867465+00	.14306711+01	.67398529+00
.44113193+00	.17907730+01	.34789937+00	.14362890+01	.67816104+00
.44200459+00	.17909040+01	.34712403+00	.14419846+01	.68239287+00
.44287726+00	.17910374+01	.34634854+00	.14477600+01	.68667294+00
.44374992+00	.17911730+01	.34557283+00	.14536170+01	.69100545+00
.44462258+00	.17913113+01	.34479685+00	.14595576+01	.69539162+00
.44549523+00	.17914521+01	.34402051+00	.14655838+01	.69983263+00
.44636788+00	.17915954+01	.34324372+00	.14716978+01	.70432989+00

TABLE 173. (Concluded)

$M_{\infty} = .15000111+02$		$\Theta_s = .39269907+00$		
Θ	M_1^*	ψ_1	x	r
.44724053+00	.17917410+01	.34246640+00	.14779017+01	.70888473+00
.44811318+00	.17918892+01	.34168848+00	.14841979+01	.71349856+00
.44898583+00	.17920397+01	.34090985+00	.14905887+01	.71817284+00
.44985848+00	.17921928+01	.34013045+00	.14970765+01	.72290911+00
.45073112+00	.17923484+01	.33935018+00	.15036639+01	.72770882+00
.45160377+00	.17925066+01	.33856895+00	.15103536+01	.73257376+00
.45240410+00	.17925866+01	.33817795+00	.15137377+01	.73503119+00
.45247642+00	.17926673+01	.33778668+00	.15171483+01	.73750550+00
.45291275+00	.17927487+01	.33739512+00	.15205859+01	.73999702+00
.45334907+00	.17928307+01	.33700326+00	.15240508+01	.74250586+00
.45378540+00	.17929133+01	.33661110+00	.15275435+01	.74503235+00
.45422172+00	.17929966+01	.33621861+00	.15310642+01	.74757665+00
.45465805+00	.17930806+01	.33582578+00	.15346135+01	.75013908+00
.45509437+00	.17931653+01	.33543261+00	.15381916+01	.75271978+00
.45553070+00	.17932506+01	.33503908+00	.15417990+01	.75531907+00
.45596702+00	.17933366+01	.33464517+00	.15454360+01	.75793715+00
.45640334+00	.17934233+01	.33425088+00	.15491032+01	.76057436+00
.45683967+00	.17935107+01	.33385619+00	.15528010+01	.76323089+00
.45727599+00	.17935988+01	.33346109+00	.15565298+01	.76590706+00
.45771232+00	.17936876+01	.33306556+00	.15602900+01	.76860315+00
.45814864+00	.17937771+01	.33266959+00	.15640822+01	.77131943+00
.45858497+00	.17938672+01	.33227316+00	.15679068+01	.77405619+00
.45902129+00	.17939581+01	.33187627+00	.15717643+01	.77681371+00
.45945762+00	.17940498+01	.33147889+00	.15756551+01	.77959228+00
.45989394+00	.17941421+01	.33108101+00	.15795798+01	.78239220+00
.46033027+00	.17942352+01	.33068262+00	.15835389+01	.78521384+00
.46076659+00	.17943290+01	.33028369+00	.15875329+01	.78805750+00
.46120292+00	.17944236+01	.32988423+00	.15915624+01	.79092353+00
.46152193+00	.17944932+01	.32959180+00	.15945313+01	.79303331+00

$$.27220446+01 = \Delta S/R$$

$$.60378985+02 = P_s/P_{\infty}$$

$$.39411988+01 = \rho_s/\rho_{\infty}$$

$$.15319955+02 = T_s/T_{\infty}$$

TABLE 174. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 17.5$

u_s	M_∞	θ_s	θ_w	
.89558002+00	.17500000+02	.39269907+00	.46010541+00	
e	M_1^*	ψ_1	x	r
.39269907+00	.17911264+01	.39269907+00	.12071068+01	.50000000+00
.39444440+00	.17911319+01	.39096098+00	.12133297+01	.50506038+00
.39618973+00	.17911460+01	.38923693+00	.12196726+01	.51020009+00
.39793506+00	.17911747+01	.38752628+00	.12261393+01	.51542146+00
.39968038+00	.17912116+01	.38582839+00	.12327334+01	.52072696+00
.40142571+00	.17912586+01	.38414264+00	.12394590+01	.52611911+00
.40317104+00	.17913156+01	.38246847+00	.12463202+01	.53160060+00
.40491637+00	.17913824+01	.38080527+00	.12533215+01	.53717425+00
.40666170+00	.17914589+01	.37915248+00	.12604674+01	.54284297+00
.40840703+00	.17915449+01	.37750956+00	.12677626+01	.54860985+00
.41015235+00	.17916403+01	.37587595+00	.12752123+01	.55447807+00
.41189768+00	.17917451+01	.37425113+00	.12828217+01	.56045099+00
.41364301+00	.17918591+01	.37263456+00	.12905965+01	.56653221+00
.41538834+00	.17919822+01	.37102573+00	.12985424+01	.57272538+00
.41713367+00	.17921145+01	.36942412+00	.13066657+01	.57903448+00
.41887899+00	.17922557+01	.36782922+00	.13149729+01	.58546360+00
.42018799+00	.17923676+01	.36663714+00	.13213280+01	.59036676+00
.42149699+00	.17924845+01	.36544834+00	.13277935+01	.59534179+00
.42280598+00	.17926065+01	.36426259+00	.13343724+01	.60039064+00
.42411498+00	.17927334+01	.36307970+00	.13410681+01	.60551542+00
.42542398+00	.17928654+01	.36189944+00	.13478840+01	.61071827+00
.42673297+00	.17930024+01	.36072159+00	.13548238+01	.61600143+00
.42804197+00	.17931444+01	.35954594+00	.13618911+01	.62136727+00
.42935096+00	.17932914+01	.35837228+00	.13690900+01	.62681826+00
.43065996+00	.17934435+01	.35720039+00	.13764244+01	.63235693+00
.43196896+00	.17936006+01	.35603004+00	.13838986+01	.63798594+00
.43327795+00	.17937626+01	.35486100+00	.13915172+01	.64370809+00
.43458695+00	.17939300+01	.35369306+00	.13992850+01	.64952639+00
.43589595+00	.17941024+01	.35252598+00	.14072067+01	.65544381+00
.43720494+00	.17942799+01	.35135953+00	.14152876+01	.66146360+00
.43851394+00	.17944626+01	.35019347+00	.14235330+01	.66758911+00
.43938660+00	.17945873+01	.34941619+00	.14291244+01	.67173333+00
.44025927+00	.17947143+01	.34863891+00	.14347932+01	.67592717+00
.44113193+00	.17948437+01	.34786155+00	.14405413+01	.68017182+00
.44200459+00	.17949754+01	.34708402+00	.14463705+01	.68446840+00
.44287726+00	.17951095+01	.34630627+00	.14522828+01	.68881810+00
.44374992+00	.17952462+01	.34552822+00	.14582802+01	.69322216+00
.44462257+00	.17953854+01	.34474979+00	.14643649+01	.69768196+00
.44549521+00	.17955271+01	.34397089+00	.14705390+01	.70219879+00
.44636786+00	.17956712+01	.34319144+00	.14768048+01	.70677400+00

TABLE 174. (Concluded)

$$M_{\infty} = .17500000+02$$

$$\Theta_s = .39269907+00$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.44724051+00	.17958178+01	.34241135+00	.14831647+01	.71140914+00
.44811316+00	.17959669+01	.34163054+00	.14896212+01	.71610567+00
.44898581+00	.17961185+01	.34084891+00	.14961765+01	.72086509+00
.44985846+00	.17962726+01	.34006638+00	.15028335+01	.72568899+00
.45073111+00	.17964293+01	.33928286+00	.15095948+01	.73057913+00
.45160376+00	.17965886+01	.33849826+00	.15164634+01	.73553719+00
.45204008+00	.17966692+01	.33810552+00	.15199388+01	.73804224+00
.45247641+00	.17967505+01	.33771247+00	.15234422+01	.74056503+00
.45291273+00	.17968325+01	.33731910+00	.15269738+01	.74310565+00
.45334906+00	.17969151+01	.33692539+00	.15305341+01	.74566445+00
.45378538+00	.17969984+01	.33653135+00	.15341235+01	.74824159+00
.45422171+00	.17970824+01	.33613694+00	.15377425+01	.75083742+00
.45465803+00	.17971670+01	.33574216+00	.15413914+01	.75345219+00
.45509436+00	.17972524+01	.33534699+00	.15450708+01	.75608609+00
.45553068+00	.17973384+01	.33495143+00	.15487808+01	.75873941+00
.45596701+00	.17974252+01	.33455545+00	.15525221+01	.76141240+00
.45640333+00	.17975126+01	.33415904+00	.15562952+01	.76410543+00
.45683965+00	.17976007+01	.33376219+00	.15601006+01	.76681875+00
.45727598+00	.17976895+01	.33336489+00	.15639385+01	.76955258+00
.45771230+00	.17977791+01	.33296712+00	.15678095+01	.77230725+00
.45814863+00	.17978694+01	.33256886+00	.15717143+01	.77508311+00
.45858495+00	.17979603+01	.33217010+00	.15756532+01	.77788044+00
.45902128+00	.17980521+01	.33177083+00	.15796268+01	.78069959+00
.45945760+00	.17981446+01	.33137103+00	.15836357+01	.78354084+00
.45989393+00	.17982378+01	.33097067+00	.15876804+01	.78640454+00
.46010541+00	.17982832+01	.33077642+00	.15896538+01	.78780075+00

$$.31361937+01 = \Delta S/R$$

$$.81697615+02 = P_s/P_{\infty}$$

$$.40038123+01 = \rho_s/\rho_{\infty}$$

$$.20404957+02 = T_s/T_{\infty}$$

TABLE 175. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 20.0$

u_s	M_∞	θ_s	θ_w	
.89690313+00	.19999994+02	.39269907+00	.45918399+00	
θ	M_1^*	ψ_1	x	r
.39269907+00	.17937726+01	.39269907+00	.12071068+01	.50000000+00
.39444440+00	.17937781+01	.39096098+00	.12133884+01	.50508481+00
.39618973+00	.17937942+01	.38923492+00	.12197920+01	.51025004+00
.39793506+00	.17938209+01	.38752624+00	.12263215+01	.51549808+00
.39968038+00	.17938579+01	.38582831+00	.12329808+01	.52083144+00
.40142571+00	.17939050+01	.38414249+00	.12397738+01	.52625272+00
.40317104+00	.17939620+01	.38246820+00	.12467049+01	.53176468+00
.40491637+00	.17940289+01	.38080484+00	.12537786+01	.53737018+00
.40666170+00	.17941055+01	.37915186+00	.12609996+01	.54307219+00
.40840703+00	.17941917+01	.37750867+00	.12683728+01	.54887391+00
.41015235+00	.17942873+01	.37587475+00	.12759035+01	.55477860+00
.41189768+00	.17943922+01	.37424953+00	.12835971+01	.56078973+00
.41364301+00	.17945064+01	.37263250+00	.12914592+01	.56691089+00
.41538834+00	.17946298+01	.37102311+00	.12994958+01	.57314590+00
.41713367+00	.17947623+01	.36942086+00	.13077137+01	.57949889+00
.41887899+00	.17949039+01	.36782523+00	.13161191+01	.58597394+00
.42018799+00	.17950160+01	.36663253+00	.13225506+01	.59091302+00
.42149699+00	.17951332+01	.36544304+00	.13290948+01	.59592527+00
.42280598+00	.17952554+01	.36425655+00	.13357550+01	.60101273+00
.42411498+00	.17953826+01	.36307284+00	.13425347+01	.60617760+00
.42542398+00	.17955149+01	.36189169+00	.13494372+01	.61142197+00
.42673297+00	.17956522+01	.36071287+00	.13564663+01	.61674823+00
.42804197+00	.17957946+01	.35953619+00	.13636260+01	.62215881+00
.42935096+00	.17959420+01	.35836139+00	.13709203+01	.62765624+00
.43065996+00	.17960945+01	.35718828+00	.13783534+01	.63324316+00
.43196896+00	.17962521+01	.35601662+00	.13859298+01	.63892233+00
.43327795+00	.17964147+01	.35484618+00	.13936541+01	.64469660+00
.43458695+00	.17965825+01	.35367673+00	.14015313+01	.65056911+00
.43589595+00	.17967554+01	.35250804+00	.14095664+01	.65654293+00
.43720494+00	.17969335+01	.35133986+00	.14177649+01	.66262144+00
.43851394+00	.17971167+01	.35017195+00	.14261323+01	.66880807+00
.43982294+00	.17972419+01	.34939338+00	.14318074+01	.67299441+00
.44025927+00	.17973693+01	.34861474+00	.14375619+01	.67723154+00
.44113193+00	.17974992+01	.34783596+00	.14433981+01	.68152074+00
.44200459+00	.17976314+01	.34705697+00	.14493178+01	.68586314+00
.44287725+00	.17977661+01	.34627769+00	.14553227+01	.69025993+00
.44374990+00	.17979035+01	.34549805+00	.14614153+01	.69471249+00
.44462255+00	.17980433+01	.34471795+00	.14675976+01	.69922213+00
.44549520+00	.17981855+01	.34393731+00	.14738721+01	.70379033+00
.44636785+00	.17983303+01	.34315605+00	.14802409+01	.70841844+00

TABLE 175. (Concluded)

$M_{\infty} = .19999994+02$			$\Theta_s = .39269907+00$	
Θ	M_1^*	ψ_1	x	r
.44724050+00	.17984775+01	.34237407+00	.14867067+01	.71310803+00
.44811315+00	.17986272+01	.34159129+00	.14932717+01	.71786056+00
.44898580+00	.17987795+01	.34080762+00	.14999389+01	.72267779+00
.44985845+00	.17989344+01	.34002297+00	.15067110+01	.72756132+00
.45073109+00	.17990918+01	.33923724+00	.15135906+01	.73251286+00
.45160374+00	.17992519+01	.33845033+00	.15205809+01	.73753431+00
.45204007+00	.17993329+01	.33805640+00	.15241185+01	.74007180+00
.45247639+00	.17994146+01	.33766214+00	.15276850+01	.74262746+00
.45291272+00	.17994969+01	.33726754+00	.15312806+01	.74520156+00
.45334904+00	.17995800+01	.33687258+00	.15349060+01	.74779434+00
.45378537+00	.17996637+01	.33647725+00	.15385614+01	.75040609+00
.45422169+00	.17997481+01	.33608153+00	.15422473+01	.75303700+00
.45465802+00	.17998332+01	.33568542+00	.15459643+01	.75568742+00
.45509434+00	.17999191+01	.33528889+00	.15497125+01	.75835750+00
.45553067+00	.18000055+01	.33489193+00	.15534927+01	.76104767+00
.45596699+00	.18000927+01	.33449454+00	.15573052+01	.76375816+00
.45640332+00	.18001807+01	.33409669+00	.15611506+01	.76648925+00
.45683964+00	.18002693+01	.33369837+00	.15650292+01	.76924124+00
.45727596+00	.18003587+01	.33329957+00	.15689416+01	.77201440+00
.45771229+00	.18004487+01	.33290026+00	.15728885+01	.77480914+00
.45814861+00	.18005395+01	.33250044+00	.15768702+01	.77762569+00
.45858494+00	.18006311+01	.33210010+00	.15808873+01	.78046443+00
.45902126+00	.18007234+01	.33169919+00	.15849403+01	.78332561+00
.45945759+00	.18007580+01	.33154953+00	.15864611+01	.78439847+00

$$.35047926+01 = \Delta S/R$$

$$.10629692+03 = P_s/P_{\infty}$$

$$.40459918+01 = \rho_s/\rho_{\infty}$$

$$.26272156+02 = T_s/T_{\infty}$$

TABLE 176. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 22.5$

u_s	M_∞	θ_s	θ_w	
.89781337+00	.22499923+02	.39269907+00	.45855136+00	
θ	M_1^*	ψ_1	x	r
.39269907+00	.17955931+01	.39269907+00	.12071068+01	.50000000+00
.39444440+00	.17955985+01	.39096098+00	.12134294+01	.50510188+00
.39618973+00	.17956147+01	.38923692+00	.12198755+01	.51020494+00
.39793506+00	.17956414+01	.38752622+00	.12264489+01	.51555163+00
.39968038+00	.17956785+01	.38582825+00	.12331536+01	.52090447+00
.40142571+00	.17957256+01	.38414238+00	.12399938+01	.52634612+00
.40317104+00	.17957827+01	.38246801+00	.12469738+01	.53187938+00
.40491637+00	.17958497+01	.38080455+00	.12540982+01	.53750715+00
.40666170+00	.17959264+01	.37915142+00	.12613718+01	.54323247+00
.40840703+00	.17960126+01	.37750805+00	.12687995+01	.54905856+00
.41015235+00	.17961083+01	.37587390+00	.12763868+01	.55498875+00
.41189768+00	.17962134+01	.37424841+00	.12841391+01	.56102655+00
.41364301+00	.17963278+01	.37263104+00	.12920624+01	.56717569+00
.41538834+00	.17964513+01	.37102128+00	.13001627+01	.57344005+00
.41713367+00	.17965840+01	.36941858+00	.13084467+01	.57982374+00
.41887899+00	.17967257+01	.36782242+00	.13169211+01	.58633102+00
.42062432+00	.17968380+01	.36622928+00	.13234062+01	.59129532+00
.42236965+00	.17969553+01	.36464332+00	.13300058+01	.59633372+00
.42411498+00	.17970777+01	.36306801+00	.13367229+01	.60144824+00
.42586031+00	.17972052+01	.36148823+00	.13435614+01	.60664117+00
.42760564+00	.17973377+01	.36007067+00	.13505247+01	.61191471+00
.42935097+00	.17974752+01	.35852931+00	.13576166+01	.61727124+00
.43109630+00	.17976179+01	.35695373+00	.13648412+01	.62271325+00
.43284163+00	.17977655+01	.35535373+00	.13722025+01	.62824331+00
.43458696+00	.17979183+01	.35371797+00	.13797051+01	.63386417+00
.43633229+00	.17980761+01	.35200717+00	.13873533+01	.63957859+00
.43807762+00	.17982391+01	.35023574+00	.13951521+01	.64538959+00
.43982295+00	.17984072+01	.34843652+00	.14031064+01	.65130024+00
.44156828+00	.17985805+01	.34662495+00	.14112213+01	.65731374+00
.44331361+00	.17987590+01	.34478179+00	.14195026+01	.66343358+00
.44505894+00	.17989427+01	.34286977+00	.14279559+01	.66966330+00
.44680427+00	.17991316+01	.34089378+00	.14365701+01	.67600394+00
.44854960+00	.17993260+01	.33885977+00	.14453369+01	.68244676+00
.45029493+00	.17995265+01	.33676389+00	.14542572+01	.68900394+00
.45204026+00	.17997338+01	.33461254+00	.14633361+01	.69567597+00
.45378559+00	.17999485+01	.33240378+00	.14725744+01	.70246831+00
.45553092+00	.18001714+01	.33013630+00	.14820750+01	.70938378+00
.45727625+00	.18004025+01	.32782018+00	.14918321+01	.71642625+00
.45902158+00	.18006418+01	.32545549+00	.15018497+01	.72359972+00
.46076691+00	.18008893+01	.32304322+00	.15121318+01	.73090819+00
.46251224+00	.18011450+01	.32058337+00	.15226824+01	.73835566+00
.46425757+00	.18014089+01	.31807694+00	.15335065+01	.74594713+00
.46600290+00	.18016810+01	.31552403+00	.15446091+01	.75367760+00
.46774823+00	.18019613+01	.31292464+00	.15559952+01	.76155207+00
.46949356+00	.18022498+01	.31027877+00	.15676707+01	.76957554+00
.47123889+00	.18025465+01	.30758642+00	.15796406+01	.77775301+00
.47298422+00	.18028514+01	.30484759+00	.15919100+01	.78608948+00
.47472955+00	.18031645+01	.30206228+00	.16044849+01	.79459095+00
.47647488+00	.18034858+01	.29923050+00	.16173693+01	.80326342+00
.47822021+00	.18038153+01	.29635225+00	.16305682+01	.81211289+00
.47996554+00	.18041530+01	.29342754+00	.16440866+01	.82114536+00
.48171087+00	.18044989+01	.29045737+00	.16579295+01	.83036683+00
.48345620+00	.18048530+01	.28744174+00	.16720919+01	.83978330+00
.48520153+00	.18052153+01	.28438165+00	.16865698+01	.84940177+00
.48694686+00	.18055858+01	.28127710+00	.17013682+01	.85922924+00
.48869219+00	.18059645+01	.27812819+00	.17164931+01	.86927271+00
.49043752+00	.18063514+01	.27493492+00	.17319405+01	.87953818+00
.49218285+00	.18067465+01	.27169729+00	.17477164+01	.89003165+00
.49392818+00	.18071498+01	.26841530+00	.17638268+01	.90076012+00
.49567351+00	.18075613+01	.26508895+00	.17802767+01	.91172959+00
.49741884+00	.18079810+01	.26171824+00	.17970721+01	.92294706+00
.49916417+00	.18084089+01	.25830317+00	.18142190+01	.93441953+00
.50090950+00	.18088450+01	.25484374+00	.18317234+01	.94615300+00
.50265483+00	.18092893+01	.25134005+00	.18495913+01	.95815347+00
.50440016+00	.18097418+01	.24779210+00	.18678297+01	.97042794+00
.50614549+00	.18102025+01	.24420089+00	.18864446+01	.98297341+00
.50789082+00	.18106714+01	.24056642+00	.19054420+01	.99579588+00
.50963615+00	.18111485+01	.23688869+00	.19248289+01	.1.00890335+00
.51138148+00	.18116338+01	.23316770+00	.19446113+01	.1.02230282+00
.51312681+00	.18121273+01	.22940345+00	.19647952+01	.1.03599929+00
.51487214+00	.18126290+01	.22559594+00	.19853866+01	.1.04999876+00
.51661747+00	.18131389+01	.22174517+00	.20063915+01	.1.06430723+00
.51836280+00	.18136570+01	.21785114+00	.20278159+01	.1.07893170+00
.52010813+00	.18141833+01	.21391385+00	.20496658+01	.1.09387817+00
.52185346+00	.18147178+01	.20993330+00	.20719472+01	.1.10915264+00
.52359879+00	.18152605+01	.20590949+00	.20946671+01	.1.12476211+00
.52534412+00	.18158114+01	.20184242+00	.21178315+01	.1.14071358+00
.52708945+00	.18163705+01	.19773219+00	.21414474+01	.1.15702305+00
.52883478+00	.18169378+01	.19357880+00	.21655218+01	.1.17369752+00
.53058011+00	.18175133+01	.18938225+00	.21900617+01	.1.19074399+00
.53232544+00	.18180970+01	.18514260+00	.22150731+01	.1.20816946+00
.53407077+00	.18186889+01	.18085985+00	.22405630+01	.1.22598193+00
.53581610+00	.18192890+01	.17653400+00	.22665384+01	.1.24418940+00
.53756143+00	.18198973+01	.17216505+00	.22929963+01	.1.26279887+00
.53930676+00	.18205138+01	.16775300+00	.23199437+01	.1.28181734+00
.54105209+00	.18211385+01	.16329785+00	.23473876+01	.1.30125181+00
.54279742+00	.18217714+01	.15879960+00	.23753340+01	.1.32111028+00
.54454275+00	.18224125+01	.15425825+00	.24037809+01	.1.34139975+00
.54628808+00	.18230618+01	.14967380+00	.24327353+01	.1.36212722+00
.54803341+00	.18237193+01	.14504625+00	.24621952+01	.1.38330069+00
.54977874+00	.18243850+01	.14037560+00	.24921686+01	.1.40492716+00
.55152407+00	.18250589+01	.13566185+00	.25226525+01	.1.42701463+00
.55326940+00	.18257410+01	.13090500+00	.25536539+01	.1.44957110+00
.55501473+00	.18264313+01	.12610505+00	.25851708+01	.1.47260557+00
.55676006+00	.18271298+01	.12126190+00	.26172112+01	.1.49612704+00
.55850539+00	.18278365+01	.11637555+00	.26497831+01	.1.52014451+00
.56025072+00	.18285514+01	.11144600+00	.26828845+01	.1.54466698+00
.56199605+00	.18292745+01	.10647325+00	.27165234+01	.1.56969945+00
.56374138+00	.18300058+01	.10145730+00	.27507078+01	.1.59524992+00
.56548671+00	.18307453+01	.96397825+00	.27854447+01	.1.62132639+00
.56723204+00	.18314930+01	.91308370+00	.28207411+01	.1.64793686+00
.56897737+00	.18322489+01	.86177065+00	.28566050+01	.1.67508933+00
.57072270+00	.18330130+01	.81003910+00	.28930454+01	.1.70279980+00
.57246803+00	.18337853+01	.75788905+00	.29300713+01	.1.73107527+00
.57421336+00	.18345658+01	.70532050+00	.29676917+01	.1.75992274+00
.57595869+00	.18353545+01	.65233345+00	.30059156+01	.1.78934921+00
.57770402+00	.18361514+01	.59892790+00	.30447519+01	.1.81946268+00
.57944935+00	.18369565+01	.54510385+00	.30842006+01	.1.85027115+00
.58119468+00	.18377698+01	.49086130+00	.31242717+01	.1.88178262+00
.58293999+00	.18385913+01	.43619925+00	.31649652+01	.1.91400509+00
.58468532+00	.18394210+01	.38111770+00	.32062911+01	.1.94694756+00
.58643065+00	.18402589+01	.32561665+00	.32482584+01	.1.98061903+00
.58817598+00	.18411050+01	.26969610+00	.32908770+01	.2.01492850+00
.58992131+00	.18419693+01	.21335605+00	.33341569+01	.2.05008597+00
.59166664+00	.18428418+01	.15659650+00	.33781082+01	.2.08600144+00
.59341197+00	.18437225+01	.10041745+00	.34227409+01	.2.13278491+00
.59515730+00	.18446114+01	.44812790+00	.34680650+01	.2.18054738+00
.59690263+00	.18455085+01	.00000000+00	.35140905+01	.2.22939985+00
.59864796+00	.18464138+01		.35608274+01	.2.27935232+00
.60039329+00	.18473273+01		.36082757+01	.2.33041479+00
.60213862+00	.18482490+01		.36564354+01	.2.38259726+00
.60388395+00	.18491789+01		.37053065+01	.2.43590973+00
.60562928+00	.18501170+01		.37548890+01	.2.49035220+00
.60737461+00	.18510633+01		.38051829+01	.2.54593467+00
.60911994+00	.18520178+01		.38561882+01	.2.60266714+00
.61086527+00	.18529805+01		.39079049+01	.2.66056061+00
.61261060+00	.18539514+01		.39603330+01	.2.71962508+00
.61435593+00	.18549305+01		.40134725+01	.2.77987155+00
.61610126+00	.18559178+01		.40673234+01	.2.84131002+00
.61784659+00	.18569133+01		.41218857+01	.2.90395149+00
.61959192+00	.18579170+01		.41771594+01	.2.96779796+00
.62133725+00	.18589289+01		.42331445+01	.3.03285943+00
.62308258+00	.18599490+01		.42898410+01	.3.09914590+00
.62482791+00	.18609783+01		.43472489+01	.3.16666737+00
.62657324+00	.18620168+01		.44053682+01	.3.23543384+00
.62831857+00	.18630645+01		.44641989+01	.3.30546531+00
.63006390+00	.18641214+01		.45237410+01	.3.37677278+00
.63180923+00	.18651875+01		.45839945+01	.3.44936625+00
.63355456+00	.18662628+01		.46449594+01	.3.52325672+00
.63529989+00	.18673473+01		.47066357+01	.3.59845419+00
.63704522+00	.18684410+01		.47690234+01	.3.67496866+00
.63879055+00	.18695439+01		.48321225+01	.3.75280913+00
.64053588+00	.18706560+01		.48959330+01	.3.83198460+00
.64228121+00	.18717783+01		.49604549+01	.3.91250507+00
.64402654+0				

TABLE 176. (Concluded)

$M_{\infty} = .22499923+02$			$\Theta_s = .39269907+00$	
Θ	M_1^*	ψ_1	x	r
.44724049+00	.18003072+01	.34234777+00	.14891956+01	.71430184+00
.44811314+00	.18004573+01	.34156360+00	.14958376+01	.71909405+00
.44898579+00	.18006101+01	.34077849+00	.15025838+01	.72395211+00
.44985844+00	.18007654+01	.33999233+00	.15094372+01	.72887776+00
.45073109+00	.18009234+01	.33920503+00	.15164005+01	.73387271+00
.45160374+00	.18010840+01	.33841649+00	.15234770+01	.73893897+00
.45240006+00	.18011653+01	.33802172+00	.15270586+01	.74149940+00
.45247639+00	.18012473+01	.33762661+00	.15306697+01	.74407835+00
.45291271+00	.18013299+01	.33723113+00	.15343107+01	.74667615+00
.45334904+00	.18014133+01	.33683528+00	.15379821+01	.74929298+00
.45378536+00	.18014974+01	.33643904+00	.15416843+01	.75192918+00
.45422168+00	.18015821+01	.33604239+00	.15454176+01	.75458495+00
.45465801+00	.18016675+01	.33564533+00	.15491826+01	.75726055+00
.45509433+00	.18017536+01	.33524784+00	.15529798+01	.75995638+00
.45553066+00	.18018405+01	.33484990+00	.15568097+01	.76267266+00
.45596698+00	.18019280+01	.33445150+00	.15606727+01	.76540969+00
.45640331+00	.18020163+01	.33405263+00	.15645692+01	.76816773+00
.45683963+00	.18021052+01	.33365326+00	.15685000+01	.77094717+00
.45727596+00	.18021950+01	.33325339+00	.15724653+01	.77374826+00
.45771228+00	.18022854+01	.33285300+00	.15764660+01	.77657141+00
.45814861+00	.18023766+01	.33245207+00	.15805022+01	.77941679+00
.45858513+00	.18024614+01	.33208149+00	.15842602+01	.78206343+00

$$.38358878+01 = \Delta S/R$$

$$.13417484+03 = P_s/P_{\infty}$$

$$.40756339+01 = \rho_s/\rho_{\infty}$$

$$.32921221+02 = T_s/T_{\infty}$$

TABLE 177. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 25.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.89846601+00	.24999898+02	.39269907+00	.45809837+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.39269907+00	.17968983+01	.39269907+00	.12071068+01	.50000000+00
.39444440+00	.17969038+01	.39096098+00	.12134591+01	.50511425+00
.39618973+00	.17969200+01	.38923691+00	.12199360+01	.51031025+00
.39793506+00	.17969467+01	.38752620+00	.12265413+01	.51559044+00
.39968038+00	.17969837+01	.38582821+00	.12332789+01	.52095739+00
.40142571+00	.17970309+01	.38414230+00	.12401533+01	.52641380+00
.40317104+00	.17970881+01	.38246787+00	.12471687+01	.53196250+00
.40491637+00	.17971552+01	.38080433+00	.12543298+01	.53760640+00
.40666170+00	.17972319+01	.37915110+00	.12616415+01	.54334863+00
.40840703+00	.17973182+01	.37750760+00	.12691089+01	.54919241+00
.41015235+00	.17974140+01	.37587328+00	.12767372+01	.55514112+00
.41189768+00	.17975192+01	.37424759+00	.12845322+01	.56119830+00
.41364301+00	.17976336+01	.37262999+00	.12924999+01	.56736776+00
.41538834+00	.17977573+01	.37101994+00	.13006464+01	.57365339+00
.41713367+00	.17978901+01	.36941691+00	.13089785+01	.58005939+00
.41887899+00	.17980320+01	.36782037+00	.13175029+01	.58659005+00
.42018799+00	.17981444+01	.36662692+00	.13240270+01	.59157265+00
.42149699+00	.17982619+01	.36543660+00	.13306667+01	.59663005+00
.42280598+00	.17983844+01	.36424920+00	.13374253+01	.60176426+00
.42411498+00	.17985120+01	.36306449+00	.13443065+01	.60697759+00
.42542398+00	.17986446+01	.36188226+00	.13513140+01	.61227234+00
.42673297+00	.17987824+01	.36070227+00	.13584516+01	.61765087+00
.42804197+00	.17989251+01	.35952431+00	.13657234+01	.62311576+00
.42935096+00	.17990730+01	.35834814+00	.13731337+01	.62866963+00
.43065996+00	.17992260+01	.35717354+00	.13806868+01	.63431518+00
.43196896+00	.17993841+01	.35600028+00	.13883875+01	.64005532+00
.43327795+00	.17995473+01	.35482813+00	.13962404+01	.64589301+00
.43458695+00	.17997156+01	.35365684+00	.14042507+01	.65183143+00
.43589595+00	.17998891+01	.35248617+00	.14124238+01	.65787384+00
.43720494+00	.18000679+01	.35131589+00	.14207654+01	.66402376+00
.43851394+00	.18002519+01	.35014573+00	.14292813+01	.67028485+00
.43982294+00	.18004376+01	.34936557+00	.14350586+01	.67452258+00
.44113193+00	.18006360+01	.34858527+00	.14409180+01	.67881255+00
.44244093+00	.18008360+01	.34780477+00	.14468616+01	.68315604+00
.44374993+00	.18010377+01	.34702397+00	.14528914+01	.68755429+00
.44505893+00	.18012413+01	.34624282+00	.14590095+01	.69200855+00
.44636793+00	.18014469+01	.34546123+00	.14652182+01	.69652027+00
.44767693+00	.18016545+01	.34467909+00	.14715199+01	.70109086+00
.44898593+00	.18018641+01	.34389632+00	.14779169+01	.70572174+00
.45029493+00	.18020757+01	.34311284+00	.14844116+01	.71041447+00

TABLE 177. (Concluded)

$M_{\infty} = .24999898+02$			$\Theta_s = .39269907+00$	
$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.44724049+00	.18016191+01	.34232855+00	.14910068+01	.71517060+00
.44811314+00	.18017696+01	.34154337+00	.14977050+01	.71999177+00
.44898579+00	.18019227+01	.34075720+00	.15045090+01	.72487967+00
.44985844+00	.18020784+01	.33996994+00	.15114218+01	.72983611+00
.45073109+00	.18022368+01	.33918149+00	.15184464+01	.73486284+00
.45160374+00	.18023977+01	.33839176+00	.15255859+01	.73996188+00
.45204006+00	.18024792+01	.33799638+00	.15291997+01	.74253909+00
.45247639+00	.18025615+01	.33760064+00	.15328435+01	.74513509+00
.45291271+00	.18026443+01	.33720452+00	.15365178+01	.74775022+00
.45334904+00	.18027279+01	.33680801+00	.15402228+01	.75038466+00
.45378536+00	.18028121+01	.33641110+00	.15439593+01	.75303877+00
.45422168+00	.18028971+01	.33601378+00	.15477274+01	.75571276+00
.45465801+00	.18029827+01	.33561603+00	.15515277+01	.75840687+00
.45509433+00	.18030691+01	.33521782+00	.15553608+01	.76112152+00
.45553066+00	.18031562+01	.33481916+00	.15592270+01	.76385690+00
.45596698+00	.18032440+01	.33442003+00	.15631270+01	.76661337+00
.45640331+00	.18033325+01	.33402040+00	.15670612+01	.76939124+00
.45683963+00	.18034218+01	.33362027+00	.15710301+01	.77219079+00
.45727596+00	.18035117+01	.33321962+00	.15750343+01	.77501234+00
.45771228+00	.18036025+01	.33281843+00	.15790743+01	.77785629+00
.45809837+00	.18036833+01	.33246297+00	.15826795+01	.78039164+00

$$.41358962+01 = \Delta S/R$$

$$.16533298+03 = P_s/P_{\infty}$$

$$.40972150+01 = \rho_s/\rho_{\infty}$$

$$.40352527+02 = T_s/T_{\infty}$$

TABLE 178. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 27.5$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.89894964+00	.27499917+02	.39269907+00	.45776297+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.39269907+00	.17978656+01	.39269907+00	.12071068+01	.50000000+00
.39444440+00	.17978710+01	.39096098+00	.12134813+01	.50512350+00
.39618973+00	.17978873+01	.38923691+00	.12199811+01	.51032913+00
.39793506+00	.17979140+01	.38752619+00	.12266102+01	.51561940+00
.39968038+00	.17979510+01	.38582818+00	.12333725+01	.52079691+00
.40142571+00	.17979982+01	.38414224+00	.12402724+01	.52646435+00
.40317104+00	.17980555+01	.38246777+00	.12473143+01	.53202458+00
.40491637+00	.17981225+01	.38080417+00	.12545028+01	.53768056+00
.40666170+00	.17981993+01	.37915086+00	.12618430+01	.54343542+00
.40840703+00	.17982857+01	.37750726+00	.12693399+01	.54929241+00
.41015235+00	.17983815+01	.37587282+00	.12769991+01	.55525497+00
.41189768+00	.17984867+01	.37424698+00	.12848261+01	.56132666+00
.41364301+00	.17986013+01	.37262920+00	.12928270+01	.56751132+00
.41538834+00	.17987250+01	.37101893+00	.13010080+01	.57381286+00
.41713367+00	.17988579+01	.36941566+00	.13093761+01	.58023556+00
.41887899+00	.17990000+01	.36781884+00	.13179379+01	.58678373+00
.42018799+00	.17991124+01	.36662515+00	.13244911+01	.59178004+00
.42149699+00	.17992300+01	.36543457+00	.13311608+01	.59685161+00
.42280598+00	.17993526+01	.36424688+00	.13379505+01	.60200000+00
.42411498+00	.17994803+01	.36306186+00	.13448639+01	.60722927+00
.42542398+00	.17996131+01	.36187928+00	.13519045+01	.61253992+00
.42673297+00	.17997509+01	.36069892+00	.13590764+01	.61793498+00
.42804197+00	.17998939+01	.35952055+00	.13663837+01	.62341703+00
.42935096+00	.18000419+01	.35834395+00	.13738307+01	.62898874+00
.43065996+00	.18001950+01	.35716888+00	.13814218+01	.63465284+00
.43196896+00	.18003532+01	.35599512+00	.13891615+01	.64041218+00
.43327795+00	.18005166+01	.35482242+00	.13970551+01	.64626987+00
.43458695+00	.18006851+01	.35365054+00	.14051075+01	.65222914+00
.43589595+00	.18008589+01	.35247926+00	.14133244+01	.65829330+00
.43720494+00	.18010378+01	.35130830+00	.14217112+01	.66446583+00
.43851394+00	.18012221+01	.35013743+00	.14302742+01	.67075050+00
.43982294+00	.18014119+01	.34935677+00	.14360838+01	.67500445+00
.44113193+00	.18016066+01	.34857595+00	.14419763+01	.67931113+00
.44244093+00	.18018066+01	.34779489+00	.14479539+01	.68367182+00
.44374993+00	.18020119+01	.34701354+00	.14540186+01	.68808772+00
.44505893+00	.18022235+01	.34623180+00	.14601726+01	.69256021+00
.44636793+00	.18024414+01	.34544958+00	.14664181+01	.69709063+00
.44767693+00	.18026655+01	.34466679+00	.14727576+01	.70168053+00
.44898593+00	.18028958+01	.34388335+00	.14791934+01	.70633128+00
.45029493+00	.18031323+01	.34309917+00	.14857281+01	.71104450+00

TABLE 178. (Concluded)

$$M_{\infty} = .27499917+02$$

$$\Theta_s = .39269907+00$$

Θ	M_1^*	ψ_1	x	r
.44724048+00	.18025914+01	.34231415+00	.14923643+01	.71582174+00
.44811313+00	.18027422+01	.34152820+00	.14991048+01	.72066468+00
.44898573+00	.18028955+01	.34074124+00	.15059523+01	.72557503+00
.44985843+00	.18030515+01	.33995315+00	.15129098+01	.73055460+00
.45073108+00	.18032102+01	.33916384+00	.15199804+01	.73560522+00
.45160373+00	.18033714+01	.33837321+00	.15271672+01	.74072884+00
.45204005+00	.18034531+01	.33797736+00	.15308053+01	.74331870+00
.45247638+00	.18035355+01	.33758115+00	.15344738+01	.74592759+00
.45291270+00	.18036185+01	.33718455+00	.15381731+01	.74855576+00
.45334903+00	.18037022+01	.33678755+00	.15419035+01	.75120347+00
.45378535+00	.18037866+01	.33639014+00	.15456657+01	.75387102+00
.45422168+00	.18038718+01	.33599231+00	.15494599+01	.75655869+00
.45465800+00	.18039576+01	.33559403+00	.15532869+01	.75926676+00
.45509433+00	.18040441+01	.33519530+00	.15571469+01	.76199555+00
.45553065+00	.18041314+01	.33479609+00	.15610407+01	.76474538+00
.45596698+00	.18042194+01	.33439641+00	.15649685+01	.76751649+00
.45640330+00	.18043081+01	.33399622+00	.15689310+01	.77030926+00
.45683962+00	.18043975+01	.33359551+00	.15729287+01	.77312398+00
.45727595+00	.18044877+01	.33319427+00	.15769621+01	.77596094+00
.45771227+00	.18045786+01	.33279248+00	.15810318+01	.77882053+00
.45776297+00	.18045892+01	.33274575+00	.15815070+01	.77915424+00

$$.44098512+01 = \Delta S/R$$

$$.19977175+03 = P_s/P_{\infty}$$

$$.41133932+01 = \rho_s/\rho_{\infty}$$

$$.48566170+02 = T_s/T_{\infty}$$

TABLE 179. CONICAL FLOWFIELD $\theta_s = 22.5 \text{ DEG}$; $M_\infty = 30.0$

u_s	M_∞	θ_s	θ_w	
.89931788+00	.29999877+02	.39269907+00	.45750773+00	
θ	M_1^*	ψ_1	x	r
.39269907+00	.17986020+01	.39269907+00	.12071068+01	.50000000+00
.39444440+00	.17986075+01	.39096098+00	.12134983+01	.50513056+00
.39618973+00	.17986237+01	.38923690+00	.12200157+01	.51034359+00
.39793506+00	.17986504+01	.38752618+00	.12266630+01	.51564161+00
.39968038+00	.17986875+01	.38582815+00	.12334442+01	.52102721+00
.40142571+00	.17987348+01	.38414220+00	.12403637+01	.52650311+00
.40317104+00	.17987920+01	.38246769+00	.12474258+01	.53207218+00
.40491637+00	.17988592+01	.38080405+00	.12546355+01	.53773741+00
.40666170+00	.17989360+01	.37915067+00	.12619975+01	.54350196+00
.40840703+00	.17990224+01	.37750700+00	.12695172+01	.54936910+00
.41015235+00	.17991183+01	.37587246+00	.12771999+01	.55534227+00
.41189768+00	.17992236+01	.37424651+00	.12850514+01	.56142510+00
.41364301+00	.17993381+01	.37262859+00	.12930777+01	.56762140+00
.41538834+00	.17994620+01	.37101816+00	.13012853+01	.57393517+00
.41713367+00	.17995949+01	.36941470+00	.13096810+01	.58037067+00
.41887899+00	.17997371+01	.36781766+00	.13182717+01	.58693233+00
.42018799+00	.17998496+01	.36662379+00	.13248472+01	.59193913+00
.42149699+00	.17999672+01	.36543300+00	.13315400+01	.59702164+00
.42280598+00	.18000899+01	.36424509+00	.13383535+01	.60218193+00
.42411498+00	.18002177+01	.36305983+00	.13452915+01	.60742233+00
.42542398+00	.18003506+01	.36187699+00	.13523576+01	.61274520+00
.42673297+00	.18004885+01	.36069634+00	.13595557+01	.61815289+00
.42804197+00	.18006316+01	.35951767+00	.13668900+01	.62364804+00
.42935096+00	.18007797+01	.35834073+00	.13743651+01	.62923340+00
.43065996+00	.18009329+01	.35716530+00	.13819851+01	.63491166+00
.43196896+00	.18010913+01	.35599115+00	.13897551+01	.64068580+00
.43327795+00	.18012548+01	.35481803+00	.13976797+01	.64655884+00
.43458695+00	.18014234+01	.35364571+00	.14057646+01	.65253413+00
.43589595+00	.18015973+01	.35247394+00	.14140149+01	.65861493+00
.43720494+00	.18017765+01	.35130247+00	.14224366+01	.66480483+00
.43851394+00	.18019609+01	.35013105+00	.14310356+01	.67110755+00
.43982294+00	.18020866+01	.34935000+00	.14368700+01	.67537402+00
.44025927+00	.18022151+01	.34856878+00	.14427880+01	.67969353+00
.44113193+00	.18023458+01	.34778730+00	.14487918+01	.68406743+00
.44200458+00	.18024793+01	.34700552+00	.14548832+01	.68849688+00
.44287723+00	.18026152+01	.34622332+00	.14610648+01	.69298337+00
.44374988+00	.18027535+01	.34544062+00	.14673387+01	.69752825+00
.44462253+00	.18028943+01	.34465734+00	.14737073+01	.70213298+00
.44549518+00	.18030377+01	.34387337+00	.14801731+01	.70679907+00
.44636783+00	.18031835+01	.34308865+00	.14867385+01	.71152804+00

TABLE 179. (Concluded)

$M_{\infty} = .29999877+02$			$\Theta_s = .39269907+00$	
Θ	M_1^*	ψ_1	x	r
.44724048+00	.18033319+01	.34230306+00	.14934063+01	.71632151+00
.44811312+00	.18034828+01	.34151653+00	.15001792+01	.72118117+00
.44898577+00	.18036364+01	.34072895+00	.15070602+01	.72610880+00
.44985842+00	.18037926+01	.33994022+00	.15140521+01	.73110618+00
.45073107+00	.18039514+01	.33915025+00	.15211582+01	.73617522+00
.45160372+00	.18041130+01	.33835893+00	.15283816+01	.74131788+00
.45204005+00	.18041947+01	.33796273+00	.15320384+01	.74391744+00
.45247637+00	.18042772+01	.33756615+00	.15357258+01	.74653618+00
.45291270+00	.18043604+01	.33716918+00	.15394443+01	.74917440+00
.45334902+00	.18044442+01	.33677180+00	.15431943+01	.75183232+00
.45378534+00	.18045288+01	.33637401+00	.15469762+01	.75451022+00
.45422167+00	.18046141+01	.33597578+00	.15507907+01	.75720846+00
.45465799+00	.18047000+01	.33557710+00	.15546382+01	.75992728+00
.45509432+00	.18047867+01	.33517796+00	.15585191+01	.76266701+00
.45553064+00	.18048741+01	.33477834+00	.15624339+01	.76542789+00
.45596697+00	.18049622+01	.33437822+00	.15663831+01	.76821026+00
.45640329+00	.18050511+01	.33397760+00	.15703674+01	.77101446+00
.45683962+00	.18051406+01	.33357644+00	.15743873+01	.77384084+00
.45727594+00	.18052310+01	.33317475+00	.15784432+01	.77668970+00
.45750773+00	.18052793+01	.33296113+00	.15806127+01	.77821234+00

$$.46617202+01 = \Delta S/R$$

$$.23748982+03 = P_s/P_{\infty}$$

$$.41258217+01 = \rho_s/\rho_{\infty}$$

$$.57561825+02 = T_s/T_{\infty}$$

TABLE 180. CONICAL FLOWFIELD $\theta_s = 25.0$ DEG; $M_\infty = 1.5742015$

u_s	M_∞	θ_s	θ_w	
.50000938+00	.15742015+01	.43633230+00	.94030194+00	
θ	M_1^*	ψ_1	x	r
.43633230+00	.10000000+01	.43633230+00	.10722535+01	.50000000+00
.45204026+00	.10002338+01	.42113384+00	.10647379+01	.51700893+00
.46774821+00	.10008876+01	.40688155+00	.10578648+01	.53436594+00
.48345616+00	.10019010+01	.39347757+00	.10515902+01	.55209714+00
.49916412+00	.10032251+01	.38083699+00	.10458789+01	.57023163+00
.51487195+00	.10048195+01	.36888560+00	.10407037+01	.58880157+00
.52927078+00	.10064905+01	.35847992+00	.10364127+01	.60623700+00
.54366962+00	.10083403+01	.34855411+00	.10325425+01	.62409843+00
.55806845+00	.10103512+01	.33906829+00	.10290853+01	.64241885+00
.57246729+00	.10125089+01	.32998639+00	.10260365+01	.66123438+00
.58686613+00	.10148011+01	.32127599+00	.10233951+01	.68058466+00
.59995598+00	.10169933+01	.31365488+00	.10213492+01	.69867655+00
.61304583+00	.10192823+01	.30629597+00	.10196460+01	.71728245+00
.62613568+00	.10216632+01	.29918052+00	.10182922+01	.73644182+00
.63922553+00	.10241317+01	.29229120+00	.10172967+01	.75619803+00
.65231538+00	.10266848+01	.28561182+00	.10166713+01	.77659893+00
.66409624+00	.10290530+01	.27976733+00	.10164373+01	.79555475+00
.67587711+00	.10314867+01	.27407036+00	.10165276+01	.81511789+00
.68765797+00	.10339853+01	.26851108+00	.10169581+01	.83533577+00
.69943884+00	.10365486+01	.26308011+00	.10177466+01	.85626025+00
.71121971+00	.10391769+01	.25776860+00	.10189138+01	.87794880+00
.72169159+00	.10415684+01	.25314060+00	.10202891+01	.89792090+00
.73216347+00	.10440128+01	.24859440+00	.10220025+01	.91859749+00
.74263535+00	.10465113+01	.24412426+00	.10240762+01	.94003404+00
.75310723+00	.10490654+01	.23972472+00	.10265357+01	.96229227+00
.76357911+00	.10516769+01	.23539026+00	.10294103+01	.98544117+00
.77274200+00	.10540110+01	.23164664+00	.10322920+01	.10064875+01
.78190490+00	.10563925+01	.22794500+00	.10355423+01	.10283326+01
.79106779+00	.10588237+01	.22428163+00	.10391898+01	.10510407+01
.80023069+00	.10613067+01	.22065280+00	.10432671+01	.10746839+01
.80939358+00	.10638443+01	.21705471+00	.10478112+01	.10993430+01
.81724750+00	.10660651+01	.21399207+00	.10521098+01	.11213566+01
.82510141+00	.10683305+01	.21094655+00	.10568127+01	.11442478+01
.83295532+00	.10706429+01	.20791549+00	.10619543+01	.11680888+01
.84080923+00	.10730049+01	.20489608+00	.10675733+01	.11929402+01
.84866314+00	.10754197+01	.20188534+00	.10737140+01	.12189533+01
.85520804+00	.10774749+01	.19938074+00	.10792659+01	.12415452+01
.86175299+00	.10795713+01	.19687801+00	.10852485+01	.12650551+01
.86829791+00	.10817116+01	.19437509+00	.10916991+01	.12895582+01
.87484284+00	.10838985+01	.19186972+00	.10986602+01	.13151393+01

TABLE 180. (Concluded)

$$M_{\infty} = .15742015+01$$

$$\Theta_s = .43633230+00$$

Θ	M_1^*	ψ_1	x	r
.88138776+00	.10861350+01	.18935946+00	.11061803+01	.13418944+01
.88662370+00	.10879625+01	.18734595+00	.11126356+01	.13642162+01
.89185964+00	.10898260+01	.18532613+00	.11195162+01	.13874214+01
.89709558+00	.10917277+01	.18329838+00	.11268580+01	.14115800+01
.90233152+00	.10936703+01	.18126096+00	.11347017+01	.14367707+01
.90756746+00	.10956564+01	.17921193+00	.11430936+01	.14630818+01
.91149423+00	.10971764+01	.17766630+00	.11497783+01	.14836094+01
.91542031+00	.10987241+01	.17611209+00	.11568244+01	.15048667+01
.91934639+00	.11003010+01	.17454610+00	.11642608+01	.15269098+01
.92327248+00	.11019086+01	.17297314+00	.11721183+01	.15497966+01
.92719856+00	.11035496+01	.17138594+00	.11804316+01	.15735919+01
.92981595+00	.11046627+01	.17032033+00	.11862460+01	.15899955+01
.93243334+00	.11057921+01	.16924819+00	.11922927+01	.16068582+01
.93505073+00	.11069386+01	.16816905+00	.11985857+01	.16242059+01
.93766811+00	.11081028+01	.16708238+00	.12051400+01	.16420660+01
.94028550+00	.11092856+01	.16598761+00	.12119720+01	.16604690+01
.94030194+00	.11092931+01	.16598071+00	.12120158+01	.16605863+01

$$.14713511+01 = \Delta S/R$$

$$.21629060+01 = P_s/P_{\infty}$$

$$.15792922+01 = \rho_s/\rho_{\infty}$$

$$.13695414+01 = T_s/T_{\infty}$$

TABLE 181. CONICAL FLOWFIELD $\theta_s = 25.0$ DEG; $M_\infty = 2.0$

u_s	M_∞	θ_s	θ_w	
.60113038+00	.19999953+01	.43633230+00	.76841363+00	
θ	M_1^*	ψ_1	x	r
.43633230+00	.12022382+01	.43633230+00	.10722535+01	.50000000+00
.44636794+00	.12023553+01	.42650656+00	.10763486+01	.51512249+00
.45640358+00	.12026907+01	.41707762+00	.10807070+01	.53060281+00
.46643921+00	.12032239+01	.40801374+00	.10853431+01	.54646415+00
.47647485+00	.12039371+01	.39928636+00	.10902725+01	.56273154+00
.48651049+00	.12048151+01	.39086968+00	.10955125+01	.57943210+00
.49656734+00	.12057497+01	.38343632+00	.11005842+01	.59308358+00
.50483640+00	.12068021+01	.37622605+00	.11059462+01	.61114470+00
.51399929+00	.12079650+01	.36922374+00	.11116157+01	.62764166+00
.52316219+00	.12092319+01	.36241545+00	.11176116+01	.64460294+00
.53232508+00	.12105971+01	.35578815+00	.11239544+01	.66205922+00
.54061532+00	.12119131+01	.34993782+00	.11300110+01	.67830755+00
.54890556+00	.12133026+01	.34421717+00	.11363885+01	.69501564+00
.55719580+00	.12147630+01	.33861813+00	.11431070+01	.71221274+00
.56548604+00	.12162923+01	.33313310+00	.11501886+01	.72993081+00
.57377627+00	.12178886+01	.32775480+00	.11576574+01	.74820466+00
.58119386+00	.12193726+01	.32302733+00	.11646902+01	.76505715+00
.58861144+00	.12209083+01	.31837479+00	.11720755+01	.78241479+00
.59602902+00	.12224954+01	.31379257+00	.11798361+01	.80030999+00
.60344660+00	.12241334+01	.30927603+00	.11879976+01	.81877806+00
.61086418+00	.12258224+01	.30482069+00	.11965877+01	.83785779+00
.61740911+00	.12273550+01	.30093686+00	.12045475+01	.85523453+00
.62395404+00	.12289278+01	.29709424+00	.12128881+01	.87315229+00
.63049896+00	.12305409+01	.29328989+00	.12216348+01	.89164587+00
.63704389+00	.12321951+01	.28952082+00	.12308159+01	.91075342+00
.64358881+00	.12338910+01	.28578407+00	.12404622+01	.93051662+00
.64926108+00	.12353953+01	.28256936+00	.12492246+01	.94821034+00
.65493335+00	.12369322+01	.27937465+00	.12583866+01	.96646372+00
.66060562+00	.12385027+01	.27619794+00	.12679746+01	.98531231+00
.66627789+00	.12401075+01	.27303712+00	.12780182+01	.10047953+01
.67195015+00	.12417479+01	.26989009+00	.12885499+01	.10249554+01
.67767497+00	.12431645+01	.26723634+00	.12978689+01	.10425778+01
.68154938+00	.12446082+01	.26458954+00	.13075866+01	.10607498+01
.68634899+00	.12460799+01	.26194823+00	.13177296+01	.10795058+01
.69114860+00	.12475806+01	.25931092+00	.13283261+01	.10988829+01
.69594821+00	.12491113+01	.25667604+00	.13394078+01	.11189220+01
.69987517+00	.12503870+01	.25452088+00	.13488597+01	.11358410+01
.70380212+00	.12516844+01	.25236534+00	.13586804+01	.11532599+01
.70772908+00	.12530042+01	.25020836+00	.13688926+01	.11712077+01
.71165603+00	.12543475+01	.24804895+00	.13795211+01	.11897159+01

TABLE 181. (Concluded)

$$M_{\infty} = .19999953+01$$

$$\Theta_s = .43633230+00$$

Θ	M_1^*	ψ_1	x	r
.71558299+00	.12557150+01	.24588597+00	.13905929+01	.12088190+01
.71863729+00	.12567962+01	.24420047+00	.13995296+01	.12241123+01
.72169159+00	.12578932+01	.24251151+00	.14087677+01	.12398074+01
.72474588+00	.12590066+01	.24081851+00	.14183233+01	.12559248+01
.72779960+00	.12601378+01	.23912098+00	.14282123+01	.12724838+01
.73085322+00	.12612868+01	.23741811+00	.14384553+01	.12895108+01
.73303438+00	.12621188+01	.23619807+00	.14460002+01	.13019742+01
.73521554+00	.12629604+01	.23497464+00	.14537445+01	.13146999+01
.73739669+00	.12638120+01	.23374753+00	.14616969+01	.13276989+01
.73957785+00	.12646738+01	.23251642+00	.14698665+01	.13409823+01
.74175901+00	.12655463+01	.23128099+00	.14782631+01	.13545624+01
.74306770+00	.12660750+01	.23053750+00	.14834144+01	.13628583+01
.74437640+00	.12666077+01	.22979227+00	.14886535+01	.13712685+01
.74568509+00	.12671446+01	.22904522+00	.14939829+01	.13797963+01
.74699379+00	.12676856+01	.22829624+00	.14994053+01	.13884446+01
.74830248+00	.12682309+01	.22754528+00	.15049232+01	.13972169+01
.74961118+00	.12687805+01	.22679222+00	.15105396+01	.14061166+01
.75091987+00	.12693346+01	.22603700+00	.15162572+01	.14151473+01
.75222857+00	.12698932+01	.22527951+00	.15220790+01	.14243125+01
.75353726+00	.12704566+01	.22451966+00	.15280084+01	.14336164+01
.75484595+00	.12710246+01	.22375733+00	.15340487+01	.14430630+01
.75615465+00	.12715976+01	.22299243+00	.15402032+01	.14526565+01
.75746334+00	.12721756+01	.22222488+00	.15464756+01	.14624013+01
.75877204+00	.12727586+01	.22145452+00	.15528698+01	.14723021+01
.76008073+00	.12733470+01	.22068125+00	.15593896+01	.14823638+01
.76138943+00	.12739406+01	.21990496+00	.15660395+01	.14925915+01
.76269812+00	.12745398+01	.21912551+00	.15728235+01	.15029904+01
.76400682+00	.12751447+01	.21834277+00	.15797466+01	.15135663+01
.76531551+00	.12757553+01	.21755661+00	.15868133+01	.15243250+01
.76662420+00	.12763719+01	.21676689+00	.15940290+01	.15352727+01
.76793290+00	.12769947+01	.21597344+00	.16013989+01	.15464159+01
.76841363+00	.12772250+01	.21568102+00	.16041459+01	.15505596+01

$$.35871476-01 = \Delta S/R$$

$$.26153053+01 = P_s/P_{\infty}$$

$$.17549984+01 = \rho_s/\rho_{\infty}$$

$$.14902038+01 = T_s/T_{\infty}$$

TABLE 182. CONICAL FLOWFIELD $\theta_s = 25.0 \text{ DEG}$; $M_\infty = 2.5$

u_s	M_∞	θ_s	θ_w	
.67605608+00	.24997805+01	.43633230+00	.67675234+00	
θ	M_1^*	ψ_1	x	r
.43633230+00	.13520868+01	.43633230+00	.10722535+01	.50000000+00
.44331361+00	.13521512+01	.42945307+00	.10781250+01	.51193136+00
.45029493+00	.13523383+01	.42276875+00	.10842391+01	.52414164+00
.45727324+00	.13526397+01	.41626626+00	.10906081+01	.53664566+00
.46425755+00	.13530485+01	.40993359+00	.10972451+01	.54945937+00
.47080253+00	.13535233+01	.40414105+00	.11037233+01	.56176856+00
.47734752+00	.13540820+01	.39847950+00	.11104624+01	.57438007+00
.48389250+00	.13547205+01	.39294096+00	.11174760+01	.58731006+00
.49043748+00	.13554351+01	.38751797+00	.11247790+01	.60057599+00
.49654613+00	.13561679+01	.38255453+00	.11318705+01	.61327716+00
.50265475+00	.13569618+01	.37768014+00	.11392424+01	.62630370+00
.50876335+00	.13578147+01	.37288961+00	.11469099+01	.63967323+00
.51487195+00	.13587250+01	.36817802+00	.11548897+01	.65340485+00
.52054422+00	.13596202+01	.36386952+00	.11625948+01	.66649775+00
.52621648+00	.13605624+01	.35962131+00	.11706002+01	.67993826+00
.53188875+00	.13615507+01	.35542988+00	.11789230+01	.69374546+00
.53756102+00	.13625844+01	.35129172+00	.11875814+01	.70793995+00
.54279696+00	.13635783+01	.34751626+00	.11958887+01	.72140548+00
.54803290+00	.13646100+01	.34378076+00	.12045160+01	.73523890+00
.55326884+00	.13656794+01	.34008262+00	.12134815+01	.74946056+00
.55850478+00	.13667862+01	.33641928+00	.12228052+01	.76409251+00
.56330439+00	.13678338+01	.33308969+00	.12316851+01	.77788594+00
.56810401+00	.13689129+01	.32978532+00	.12409024+01	.79206406+00
.57290362+00	.13700238+01	.32650422+00	.12504766+01	.80664837+00
.57770323+00	.13711648+01	.32324445+00	.12604292+01	.82166211+00
.58206651+00	.13722339+01	.32029787+00	.12698249+01	.83570481+00
.58642980+00	.13733281+01	.31736580+00	.12795715+01	.85014372+00
.59079308+00	.13744497+01	.31444672+00	.12896895+01	.86500105+00
.59515636+00	.13755994+01	.31153907+00	.13002014+01	.88030077+00
.59908332+00	.13766584+01	.30893064+00	.13100188+01	.89447026+00
.60301027+00	.13777411+01	.30632899+00	.13201942+01	.90903972+00
.60693723+00	.13788478+01	.30373294+00	.13307485+01	.92403143+00
.61086418+00	.13799792+01	.30114114+00	.13417043+01	.93946933+00
.61435481+00	.13810062+01	.29883985+00	.13517998+01	.95358768+00
.61784544+00	.13820536+01	.29653994+00	.13622510+01	.96809912+00
.62133607+00	.13831220+01	.29424037+00	.13730783+01	.98302509+00
.62482669+00	.13842122+01	.29194020+00	.13843036+01	.99838874+00
.62788099+00	.13851844+01	.28992610+00	.13944713+01	.10122108+01
.63093529+00	.13861743+01	.28790992+00	.14049797+01	.10264054+01
.63398959+00	.13871823+01	.28589076+00	.14158478+01	.10409923+01

TABLE 182. (Concluded)

$$M_{\infty} = .24999805+01$$

$$\Theta_s = .43633230+00$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.63704350+00	.13882097+01	.28386781+00	.14270945+01	.10559907+01
.63966089+00	.13891061+01	.28213011+00	.14370527+01	.10691914+01
.64227828+00	.13900171+01	.28038837+00	.14473214+01	.10827282+01
.64489567+00	.13909433+01	.27864201+00	.14579168+01	.10966177+01
.64751305+00	.13918851+01	.27689046+00	.14688562+01	.11108777+01
.64969421+00	.13926822+01	.27542634+00	.14782488+01	.11230581+01
.65187537+00	.13934909+01	.27395764+00	.14879052+01	.11355213+01
.65405653+00	.13943115+01	.27248394+00	.14978378+01	.11482800+01
.65623768+00	.13951444+01	.27100469+00	.15080600+01	.11613478+01
.65798261+00	.13958199+01	.26981701+00	.15164560+01	.11720346+01
.65972754+00	.13965037+01	.26862522+00	.15250544+01	.11829365+01
.66147246+00	.13971961+01	.26742908+00	.15338635+01	.11940621+01
.66321739+00	.13978974+01	.26622825+00	.15428922+01	.12054203+01
.66452608+00	.13984293+01	.26532438+00	.15498135+01	.12140973+01
.66583478+00	.13989664+01	.26441756+00	.15568677+01	.12229147+01
.66714347+00	.13995089+01	.26350770+00	.15640592+01	.12318768+01
.66845217+00	.14000569+01	.26259460+00	.15713927+01	.12409883+01
.66976086+00	.14006105+01	.26167813+00	.15788729+01	.12502542+01
.67106955+00	.14011699+01	.26075811+00	.15865048+01	.12596793+01
.67237825+00	.14017351+01	.25983441+00	.15942940+01	.12692692+01
.67368694+00	.14023065+01	.25890683+00	.16022459+01	.12790295+01
.67499564+00	.14028840+01	.25797521+00	.16103664+01	.12889659+01
.67630433+00	.14034680+01	.25703932+00	.16186618+01	.12990848+01
.67675234+00	.14036693+01	.25671795+00	.16215428+01	.13025918+01

$$.84324256-01 = \Delta S/R$$

$$.33329899+01 = P_s/P_{\infty}$$

$$.19908799+01 = \rho_s/\rho_{\infty}$$

$$.16741291+01 = T_s/T_{\infty}$$

/ TABLE 183. CONICAL FLOWFIELD $\theta_s = 25.0$ DEG; $M_\infty = 3.0$

u_s	M_∞	θ_s	θ_w	
.72556309+00	.29999890+01	.43633230+00	.62701923+00	
θ	M_1^*	ψ_1	x	r
.43633230+00	.14510990+01	.43633230+00	.10722535+01	.50000000+00
.44156829+00	.14511381+01	.43115392+00	.10783122+01	.50971583+00
.44680427+00	.14512526+01	.42608622+00	.10845728+01	.51964021+00
.45204026+00	.14514387+01	.42112270+00	.10910444+01	.52978267+00
.45727624+00	.14516929+01	.41625730+00	.10977366+01	.54015335+00
.46251222+00	.14520120+01	.41148435+00	.11046599+01	.55076308+00
.46774821+00	.14523935+01	.40679848+00	.11118254+01	.56162336+00
.47298419+00	.14528347+01	.40219466+00	.11192449+01	.57274651+00
.47822018+00	.14533334+01	.39766808+00	.11269314+01	.58414572+00
.48345616+00	.14538876+01	.39321420+00	.11348988+01	.59583510+00
.48869215+00	.14544957+01	.38882866+00	.11431618+01	.60782987+00
.49305547+00	.14550424+01	.38522323+00	.11502853+01	.61807054+00
.49741879+00	.14556246+01	.38166004+00	.11576355+01	.62854469+00
.50178210+00	.14562416+01	.37813680+00	.11652229+01	.63926306+00
.50614538+00	.14568929+01	.37465132+00	.11730592+01	.65023715+00
.51050866+00	.14575778+01	.37120145+00	.11811566+01	.66147925+00
.51487195+00	.14582960+01	.36778509+00	.11895285+01	.67300254+00
.51923523+00	.14590471+01	.36440017+00	.11981890+01	.68482106+00
.52359851+00	.14598309+01	.36104465+00	.12071535+01	.69695000+00
.52796180+00	.14606472+01	.35771651+00	.12164386+01	.70940552+00
.53232508+00	.14614959+01	.35441375+00	.12260620+01	.72220516+00
.53581571+00	.14621981+01	.35178843+00	.12340175+01	.73270534+00
.53930634+00	.14629211+01	.34917706+00	.12422124+01	.74344812+00
.54279696+00	.14636649+01	.34657855+00	.12506584+01	.75444461+00
.54628759+00	.14644297+01	.34399191+00	.12593675+01	.76570664+00
.54977822+00	.14652156+01	.34141605+00	.12683529+01	.77724675+00
.55326884+00	.14660227+01	.33884992+00	.12776284+01	.78907844+00
.55675947+00	.14668514+01	.33629247+00	.12872093+01	.80121621+00
.56025010+00	.14677018+01	.33374251+00	.12971117+01	.81367557+00
.56374072+00	.14685743+01	.33119901+00	.13073532+01	.82647321+00
.56723135+00	.14694693+01	.32866073+00	.13179526+01	.83962717+00
.56984932+00	.14701556+01	.32675976+00	.13261494+01	.84973813+00
.57246729+00	.14708549+01	.32486057+00	.13345682+01	.86006919+00
.57508526+00	.14715675+01	.32296260+00	.13432190+01	.87062965+00
.57770323+00	.14722937+01	.32106531+00	.13521123+01	.88142944+00
.58032120+00	.14730337+01	.31916812+00	.13612593+01	.89247917+00
.58293917+00	.14737878+01	.31727047+00	.13706718+01	.90378997+00
.58555714+00	.14745562+01	.31537174+00	.13803629+01	.91537392+00
.58817511+00	.14753394+01	.31347125+00	.13903462+01	.92724396+00
.59079298+00	.14761379+01	.31156837+00	.14006360+01	.93941320+00

TABLE 183. (Concluded)

$$M_{\infty} = .29999890+01$$

$$\Theta_s = .43633230+00$$

Θ	M_1^*	ψ_1	x	r
.59341037+00	.14769527+01	.30966224+00	.14112469+01	.95189478+00
.59515530+00	.14775046+01	.30838942+00	.14185083+01	.96039825+00
.59690022+00	.14780639+01	.30711472+00	.14259262+01	.96905347+00
.59864515+00	.14786304+01	.30583782+00	.14335062+01	.97786580+00
.60039008+00	.14792045+01	.30455858+00	.14412542+01	.98684055+00
.60213500+00	.14797863+01	.30327671+00	.14491764+01	.99598367+00
.60387993+00	.14803758+01	.30199192+00	.14572797+01	.10053013+01
.60562485+00	.14809735+01	.30070396+00	.14655709+01	.10147999+01
.60736978+00	.14815794+01	.29941258+00	.14740575+01	.10244862+01
.60911471+00	.14821936+01	.29811748+00	.14827473+01	.10343674+01
.61085963+00	.14828165+01	.29681832+00	.14916487+01	.10444512+01
.61173210+00	.14831312+01	.29616711+00	.14961815+01	.10495716+01
.61260456+00	.14834482+01	.29551481+00	.15007705+01	.10547457+01
.61347702+00	.14837675+01	.29486131+00	.15054170+01	.10599746+01
.61434948+00	.14840891+01	.29420660+00	.15101222+01	.10652595+01
.61522195+00	.14844130+01	.29355061+00	.15148872+01	.10706014+01
.61609441+00	.14847393+01	.29289335+00	.15197136+01	.10760017+01
.61696687+00	.14850680+01	.29223474+00	.15246026+01	.10814614+01
.61783934+00	.14853991+01	.29157468+00	.15295555+01	.10869819+01
.61871180+00	.14857327+01	.29091320+00	.15345739+01	.10925645+01
.61958426+00	.14860689+01	.29025023+00	.15396592+01	.10982105+01
.62045673+00	.14864076+01	.28958569+00	.15448130+01	.11039214+01
.62132919+00	.14867489+01	.28891955+00	.15500369+01	.11096986+01
.62220165+00	.14870929+01	.28825178+00	.15553324+01	.11155435+01
.62307411+00	.14874395+01	.28758223+00	.15607013+01	.11214577+01
.62394658+00	.14877888+01	.28691096+00	.15661454+01	.11274429+01
.62481904+00	.14881409+01	.28623783+00	.15716664+01	.11335005+01
.62569150+00	.14884959+01	.28556281+00	.15772664+01	.11396324+01
.62656397+00	.14888537+01	.28488581+00	.15829473+01	.11458404+01
.62701923+00	.14890416+01	.28453176+00	.15859443+01	.11491106+01

$$.15805227+00 = \Delta S/R$$

$$.42165381+01 = P_s/P_{\infty}$$

$$.22259162+01 = \rho_s/\rho_{\infty}$$

$$.10942933+01 = T_s/T_{\infty}$$

TABLE 184. CONICAL FLOWFIELD $\theta_s = 25.0 \text{ DEG}$; $M_\infty = 4.0$

u_s	M_∞	θ_s	θ_w	
.78380357+00	.39999610+01	.43633230+00	.57655303+00	
θ	M_1^*	ψ_1	x	r
.43633230+00	.15675777+01	.43633230+00	.10722535+01	.50000000+00
.43982296+00	.15675966+01	.43286734+00	.10778534+01	.50719928+00
.44331361+00	.15676524+01	.42945209+00	.10835958+01	.51452908+00
.44680427+00	.15677437+01	.42608412+00	.10894858+01	.52199412+00
.45029493+00	.15678695+01	.42276112+00	.10955291+01	.52959944+00
.45378558+00	.15680286+01	.41948087+00	.11017315+01	.53735033+00
.45727624+00	.15682201+01	.41624127+00	.11080991+01	.54525230+00
.46076690+00	.15684431+01	.41304029+00	.11146384+01	.55331128+00
.46425755+00	.15686968+01	.40987598+00	.11213566+01	.56153350+00
.46774821+00	.15689804+01	.40674646+00	.11282607+01	.56992543+00
.47123887+00	.15692933+01	.40364993+00	.11353588+01	.57849416+00
.47472952+00	.15696348+01	.40058461+00	.11426591+01	.58724698+00
.47822018+00	.15700045+01	.39754881+00	.11501705+01	.59619171+00
.48171084+00	.15704019+01	.39454084+00	.11579025+01	.60533671+00
.48520149+00	.15708264+01	.39155909+00	.11658649+01	.61469076+00
.48869215+00	.15712779+01	.38860195+00	.11740687+01	.62426334+00
.49131014+00	.15716340+01	.38639930+00	.11803868+01	.63159218+00
.49392813+00	.15720050+01	.38420895+00	.11868522+01	.63905401+00
.49654613+00	.15723907+01	.38203025+00	.11934704+01	.64665358+00
.49916412+00	.15727911+01	.37986256+00	.12002470+01	.65439583+00
.50178210+00	.15732061+01	.37770521+00	.12071881+01	.66228596+00
.50440007+00	.15736358+01	.37555757+00	.12143000+01	.67032949+00
.50701804+00	.15740800+01	.37341901+00	.12215895+01	.67853221+00
.50963601+00	.15745389+01	.37128886+00	.12290638+01	.68690033+00
.51225398+00	.15750124+01	.36916649+00	.12367303+01	.69544021+00
.51487195+00	.15755005+01	.36705125+00	.12445971+01	.70415886+00
.51748992+00	.15760034+01	.36494247+00	.12526727+01	.71306343+00
.52010789+00	.15765211+01	.36283948+00	.12609660+01	.72216168+00
.52272586+00	.15770537+01	.36074162+00	.12694869+01	.73146176+00
.52534383+00	.15776013+01	.35864817+00	.12782454+01	.74097243+00
.52796180+00	.15781641+01	.35655846+00	.12872525+01	.75070292+00
.52970711+00	.15785479+01	.35516704+00	.12934010+01	.75731687+00
.53145242+00	.15789385+01	.35377672+00	.12996689+01	.76403596+00
.53319774+00	.15793360+01	.35238729+00	.13060599+01	.77086346+00
.53494305+00	.15797407+01	.35099855+00	.13125780+01	.77780268+00
.53668837+00	.15801523+01	.34961022+00	.13192275+01	.78485718+00
.53843368+00	.15805711+01	.3482213+00	.13260127+01	.79203066+00
.54017899+00	.15809972+01	.34683400+00	.13329382+01	.79932699+00
.54192431+00	.15814307+01	.34544555+00	.13400090+01	.80675024+00
.54366962+00	.15818716+01	.34405659+00	.13472301+01	.81430467+00

TABLE 184. (Concluded)

$$M_{\infty} = .39999610+01$$

$$\Theta_s = .43633230+00$$

Θ	M_1^*	ψ_1	x	r
.54541493+00	.15823200+01	.34266680+00	.13546070+01	.82199483+00
.54716015+00	.15827763+01	.34127592+00	.13621446+01	.82982479+00
.54890507+00	.15832408+01	.33988356+00	.13698483+01	.83779881+00
.55065000+00	.15837133+01	.33848953+00	.13777255+01	.84592329+00
.55239493+00	.15841938+01	.33709360+00	.13857828+01	.85420377+00
.55413985+00	.15846826+01	.33569544+00	.13940274+01	.86264608+00
.55501232+00	.15849901+01	.33499542+00	.13982221+01	.86692979+00
.55588478+00	.15851797+01	.33429471+00	.14024664+01	.87125628+00
.55675724+00	.15854315+01	.33359329+00	.14067613+01	.87562635+00
.55762970+00	.15856853+01	.33289110+00	.14111079+01	.88004087+00
.55850217+00	.15859414+01	.33218811+00	.14155070+01	.88450067+00
.55937463+00	.15861997+01	.33148429+00	.14199600+01	.88900668+00
.56024709+00	.15864602+01	.33077955+00	.14244679+01	.89355986+00
.56111956+00	.15867230+01	.33007386+00	.14290317+01	.89816108+00
.56199202+00	.15869880+01	.32936718+00	.14336528+01	.90281133+00
.56286448+00	.15872554+01	.32865950+00	.14383324+01	.90751168+00
.56373695+00	.15875250+01	.32795070+00	.14430716+01	.91226310+00
.56460941+00	.15877971+01	.32724079+00	.14478720+01	.91706676+00
.56548187+00	.15880716+01	.32652969+00	.14527347+01	.92192370+00
.56635433+00	.15883484+01	.32581733+00	.14576611+01	.92683496+00
.56722680+00	.15886278+01	.32510367+00	.14626528+01	.93180189+00
.56809926+00	.15889096+01	.32438868+00	.14677111+01	.93682556+00
.56897172+00	.15891939+01	.32367224+00	.14728377+01	.94190735+00
.56984419+00	.15894808+01	.32295436+00	.14780341+01	.94704849+00
.57071665+00	.15897703+01	.32223497+00	.14833020+01	.95225035+00
.57158911+00	.15900625+01	.32151397+00	.14886431+01	.95751434+00
.57246158+00	.15903572+01	.32079131+00	.14940591+01	.96284178+00
.57333404+00	.15906547+01	.32006696+00	.14995518+01	.96823424+00
.57420650+00	.15909550+01	.31934081+00	.15051233+01	.97369332+00
.57507896+00	.15912581+01	.31861280+00	.15107753+01	.97922051+00
.57595143+00	.15915640+01	.31788289+00	.15165099+01	.98481748+00
.57682390+00	.15917767+01	.31737839+00	.15205135+01	.98871838+00

$$.36612475+00 = \Delta S/R$$

$$.64649110+01 = P_s/P_{\infty}$$

$$.26468146+01 = \rho_s/\rho_{\infty}$$

$$.24425251+01 = T_s/T_{\infty}$$

18 TABLE 185. CONICAL FLOWFIELD $\theta_s = 25.0 \text{ DEG}$; $M_\infty = 5.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.81474376+00	.49999911+01	.43633230+00	.55256239+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.43633230+00	.16294570+01	.43633230+00	.10722535+01	.50000000+00
.43982296+00	.16294766+01	.43286728+00	.10789034+01	.50769339+00
.44331361+00	.16295346+01	.42945159+00	.10857398+01	.51554713+00
.44680427+00	.16296296+01	.42608245+00	.10927703+01	.52356777+00
.45029493+00	.16297605+01	.42275723+00	.11000032+01	.53176226+00
.45378558+00	.16299261+01	.41947339+00	.11074474+01	.54013813+00
.45727624+00	.16301255+01	.41622851+00	.11151122+01	.54870319+00
.46076690+00	.16303580+01	.41302028+00	.11230078+01	.55746587+00
.46382122+00	.16305878+01	.41024138+00	.11301141+01	.56530231+00
.46687555+00	.16308417+01	.40748737+00	.11374129+01	.57330327+00
.46992987+00	.16311195+01	.40475683+00	.11449125+01	.58147547+00
.47298419+00	.16314207+01	.40204838+00	.11526213+01	.58982607+00
.47603852+00	.16317450+01	.39936066+00	.11605488+01	.59836268+00
.47909284+00	.16320921+01	.39669235+00	.11687046+01	.60709337+00
.48214717+00	.16324619+01	.39404213+00	.11770993+01	.61602670+00
.48476516+00	.16327966+01	.39178392+00	.11844933+01	.62385204+00
.48738315+00	.16331478+01	.38953722+00	.11920785+01	.63183913+00
.49000115+00	.16335153+01	.38730124+00	.11998629+01	.63999442+00
.49261914+00	.16338990+01	.38507515+00	.12078550+01	.64832482+00
.49523713+00	.16342991+01	.38285816+00	.12160638+01	.65683761+00
.49785512+00	.16347154+01	.38064944+00	.12244988+01	.66554046+00
.50047311+00	.16351480+01	.37844817+00	.12331702+01	.67444166+00
.50265475+00	.16355210+01	.37661885+00	.12405847+01	.68201708+00
.50483640+00	.16359054+01	.37479365+00	.12481777+01	.68974169+00
.50701804+00	.16363012+01	.37297206+00	.12559561+01	.69762112+00
.50919968+00	.16367086+01	.37115361+00	.12639275+01	.70566142+00
.51138132+00	.16371277+01	.36933777+00	.12720998+01	.71386885+00
.51356296+00	.16375584+01	.36752402+00	.12804815+01	.72225022+00
.51574460+00	.16380011+01	.36571184+00	.12890815+01	.73081265+00
.51748992+00	.16383638+01	.36426285+00	.12961252+01	.73779805+00
.51923523+00	.16387343+01	.36281423+00	.13033197+01	.74490819+00
.52098054+00	.16391126+01	.36136569+00	.13106707+01	.75214744+00
.52272586+00	.16394989+01	.35991693+00	.13181837+01	.75952027+00
.52447117+00	.16398932+01	.35846764+00	.13258649+01	.76703145+00
.52621648+00	.16402956+01	.35701750+00	.13337205+01	.77468598+00
.52796151+00	.16407067+01	.35556603+00	.13417560+01	.78248787+00
.52927020+00	.16410207+01	.35447645+00	.13479053+01	.78843982+00
.53057890+00	.16413395+01	.35338583+00	.13541638+01	.79448099+00
.53188759+00	.16416631+01	.35229409+00	.13605345+01	.80061391+00
.53319629+00	.16419916+01	.35120106+00	.13670211+01	.80684132+00

TABLE 185. (Concluded)

$$M_{\infty} = .49999911+01$$

$$\Theta_s = .43633230+00$$

Θ	M_1^*	ψ_1	x	r
.53450498+00	.16423251+01	.35010656+00	.13736269+01	.81316599+00
.53581367+00	.16426636+01	.34901045+00	.13803559+01	.81959084+00
.53712237+00	.16430073+01	.34791256+00	.13872119+01	.82611899+00
.53799483+00	.16432392+01	.34717954+00	.13918551+01	.83052999+00
.53886729+00	.16434735+01	.34644560+00	.13965578+01	.83498926+00
.53973976+00	.16437102+01	.34571071+00	.14013214+01	.83949791+00
.54061222+00	.16439492+01	.34497477+00	.14061472+01	.84405690+00
.54148468+00	.16441907+01	.34423774+00	.14110366+01	.84866732+00
.54235715+00	.16444346+01	.34349959+00	.14159910+01	.85333034+00
.54322961+00	.16446809+01	.34276023+00	.14210119+01	.85804709+00
.54366584+00	.16448051+01	.34239006+00	.14235479+01	.86042599+00
.54410207+00	.16449298+01	.34201959+00	.14261010+01	.86281874+00
.54453830+00	.16450552+01	.34164875+00	.14286715+01	.86522558+00
.54497454+00	.16451812+01	.34127761+00	.14312597+01	.86764663+00
.54541077+00	.16453079+01	.34090611+00	.14338657+01	.87008200+00
.54584700+00	.16454352+01	.34053426+00	.14364897+01	.87253186+00
.54628323+00	.16455632+01	.34016201+00	.14391320+01	.87499648+00
.54671946+00	.16456918+01	.33978947+00	.14417928+01	.87747591+00
.54715569+00	.16458210+01	.33941648+00	.14444723+01	.87997037+00
.54759192+00	.16459510+01	.33904311+00	.14471706+01	.88248001+00
.54802816+00	.16460816+01	.33866936+00	.14498881+01	.88500504+00
.54846439+00	.16462129+01	.33829520+00	.14526250+01	.88754568+00
.54890062+00	.16463449+01	.33792063+00	.14553816+01	.89010203+00
.54933685+00	.16464775+01	.33754560+00	.14581580+01	.89267432+00
.54977308+00	.16466109+01	.33717018+00	.14609545+01	.89526275+00
.55020931+00	.16467449+01	.33679431+00	.14637714+01	.89786746+00
.55064555+00	.16468796+01	.33641798+00	.14666089+01	.90048874+00
.55108178+00	.16470151+01	.33604119+00	.14694674+01	.90312676+00
.55151801+00	.16471512+01	.33566391+00	.14723469+01	.90578160+00
.55195424+00	.16472881+01	.33528616+00	.14752479+01	.90845362+00
.55239047+00	.16474256+01	.33490791+00	.14781707+01	.91114304+00
.55256239+00	.16474801+01	.33475873+00	.14793285+01	.91220772+00

$$.62319523+00 = \Delta S/R$$

$$.93523279+01 = P_s/P_{\infty}$$

$$.29804157+01 = \rho_s/\rho_{\infty}$$

$$.31379274+01 = T_s/T_{\infty}$$

TABLE 186. CONICAL FLOWFIELD $\theta_s = 25.0$ DEG; $M_\infty = 6.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.83283937+00	.59999726+01	.43633230+00	.53929635+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.43633230+00	.16656475+01	.43633230+00	.10722535+01	.50000000+00
.43982296+00	.16656676+01	.43286723+00	.10796223+01	.50803165+00
.44331361+00	.16657269+01	.42945121+00	.10872113+01	.51624584+00
.44680427+00	.16658240+01	.42608119+00	.10950303+01	.52465060+00
.45029493+00	.16659578+01	.42275428+00	.11030902+01	.53325459+00
.45378558+00	.16661272+01	.41946770+00	.11114023+01	.54206707+00
.45727624+00	.16663314+01	.41621881+00	.11199788+01	.55109787+00
.46033056+00	.16665378+01	.41340493+00	.11277107+01	.55918721+00
.46338489+00	.16667697+01	.41061629+00	.11356644+01	.56745931+00
.46643921+00	.16670267+01	.40785128+00	.11438503+01	.57592219+00
.46949354+00	.16673082+01	.40510832+00	.11522789+01	.58458439+00
.47254786+00	.16676141+01	.40238587+00	.11609618+01	.59345502+00
.47560219+00	.16679441+01	.39968240+00	.11699113+01	.60254385+00
.47822018+00	.16682459+01	.39737912+00	.11778044+01	.61051575+00
.48083817+00	.16685652+01	.39508774+00	.11859120+01	.61866262+00
.48345616+00	.16689017+01	.39280732+00	.11942436+01	.62699182+00
.48607416+00	.16692555+01	.39053694+00	.12028092+01	.63551131+00
.48869215+00	.16696266+01	.38827566+00	.12116193+01	.64422935+00
.49131014+00	.16700150+01	.38602252+00	.12206858+01	.65315502+00
.49349180+00	.16703519+01	.38415045+00	.12284458+01	.66075856+00
.49567346+00	.16707008+01	.38228283+00	.12363997+01	.66851877+00
.49785512+00	.16710618+01	.38041909+00	.12445557+01	.67644184+00
.50003678+00	.16714351+01	.37855865+00	.12529223+01	.68453442+00
.50221843+00	.16718206+01	.37670093+00	.12615085+01	.69280341+00
.50440007+00	.16722185+01	.37484534+00	.12703237+01	.70125622+00
.50614538+00	.16725458+01	.37336199+00	.12775479+01	.70815621+00
.50789069+00	.16728812+01	.37187931+00	.12849310+01	.71518321+00
.50963601+00	.16732247+01	.37039696+00	.12924789+01	.72234176+00
.51138132+00	.16735764+01	.36891460+00	.13001976+01	.72963659+00
.51312663+00	.16739365+01	.36743191+00	.13080938+01	.73707265+00
.51487195+00	.16743050+01	.36594852+00	.13161743+01	.74465527+00
.51618084+00	.16745872+01	.36483525+00	.13223596+01	.75044130+00
.51748953+00	.16748745+01	.36372113+00	.13286551+01	.75631452+00
.51879822+00	.16751669+01	.36260610+00	.13350650+01	.76227828+00
.52010692+00	.16754641+01	.36148999+00	.13415928+01	.76833531+00
.52141561+00	.16757664+01	.36037263+00	.13482424+01	.77448843+00
.52272431+00	.16760738+01	.35925387+00	.13550174+01	.78074054+00
.52359677+00	.16762816+01	.35850714+00	.13596058+01	.78496514+00
.52446923+00	.16764918+01	.35775965+00	.13642531+01	.78923603+00
.52534170+00	.16767043+01	.35701135+00	.13689605+01	.79355420+00

TABLE 186. (Concluded)

$$M_{\infty} = .59999726+01$$

$$\Theta_s = .43633230+00$$

Θ	M_1^*	ψ_1	x	r
.52621416+00	.16769191+01	.35626216+00	.13737293+01	.79792066+00
.52708662+00	.16771363+01	.35551205+00	.13785610+01	.80233646+00
.52795909+00	.16773560+01	.35476093+00	.13834570+01	.80680267+00
.52839532+00	.16774668+01	.35438499+00	.13859295+01	.80905502+00
.52883155+00	.16775781+01	.35400878+00	.13884187+01	.81132036+00
.52926778+00	.16776901+01	.35363230+00	.13909246+01	.81359889+00
.52970401+00	.16778027+01	.35325550+00	.13934476+01	.81589070+00
.53014024+00	.16779160+01	.35287842+00	.13959878+01	.81819600+00
.53057647+00	.16780298+01	.35250105+00	.13985454+01	.82051490+00
.53101271+00	.16781443+01	.35212334+00	.14011206+01	.82284754+00
.53144894+00	.16782594+01	.35174533+00	.14037136+01	.82519414+00
.53188517+00	.16783753+01	.35136701+00	.14063247+01	.82755477+00
.53232140+00	.16784917+01	.35098833+00	.14089540+01	.82992966+00
.53275763+00	.16786087+01	.35060932+00	.14116017+01	.83231895+00
.53319386+00	.16787264+01	.35022994+00	.14142682+01	.83472286+00
.53363010+00	.16788448+01	.34985019+00	.14169536+01	.83714144+00
.53406633+00	.16789639+01	.34947011+00	.14196581+01	.83957496+00
.53450256+00	.16790836+01	.34908963+00	.14223821+01	.84202362+00
.53493879+00	.16792040+01	.34870875+00	.14251256+01	.84448754+00
.53537502+00	.16793251+01	.34832747+00	.14278890+01	.84696687+00
.53581125+00	.16794468+01	.34794578+00	.14306726+01	.84946190+00
.53624748+00	.16795692+01	.34756366+00	.14334766+01	.85197276+00
.53668372+00	.16796923+01	.34718116+00	.14363011+01	.85449959+00
.53711995+00	.16798162+01	.34679819+00	.14391466+01	.85704266+00
.53755618+00	.16799407+01	.34641479+00	.14420133+01	.85960220+00
.53799241+00	.16800659+01	.34603088+00	.14449014+01	.86217836+00
.53842864+00	.16801919+01	.34564657+00	.14478112+01	.86477136+00
.53886487+00	.16803185+01	.34526175+00	.14507430+01	.86738135+00
.53929635+00	.16804445+01	.34488063+00	.14536648+01	.86997990+00

$$.89944530+00 = \Delta S/R$$

$$.12878821+02 = P_s/P_{\infty}$$

$$.32333894+01 = \rho_s/\rho_{\infty}$$

$$.39830715+01 = T_s/T_{\infty}$$

TABLE 187. CONICAL FLOWFIELD $\theta_s = 25.0$ DEG; $M_\infty = 8.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.85184940+00	.80000042+01	.43633230+00	.52590795+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.43633230+00	.17036669+01	.43633230+00	.10722535+01	.50000000+00
.43895029+00	.17036785+01	.43372875+00	.10784084+01	.50631147+00
.44156829+00	.17037128+01	.43115307+00	.10847108+01	.51274041+00
.44418628+00	.17037693+01	.42860379+00	.10911659+01	.51929102+00
.44680427+00	.17038474+01	.42607953+00	.10977794+01	.52596772+00
.44942226+00	.17039467+01	.42357890+00	.11045573+01	.53277518+00
.45204026+00	.17040666+01	.42110061+00	.11115063+01	.53971843+00
.45465825+00	.17042069+01	.41864339+00	.11186329+01	.54680260+00
.45727624+00	.17043671+01	.41620599+00	.11259443+01	.55403322+00
.45989423+00	.17045470+01	.41378722+00	.11334481+01	.56141615+00
.46207589+00	.17047116+01	.41178496+00	.11398540+01	.56768934+00
.46425755+00	.17048896+01	.40979414+00	.11464041+01	.57407638+00
.46643921+00	.17050807+01	.40781412+00	.11531036+01	.58058117+00
.46862087+00	.17052849+01	.40584423+00	.11599579+01	.58720795+00
.47080253+00	.17055020+01	.40388384+00	.11669728+01	.59396107+00
.47298419+00	.17057320+01	.40193230+00	.11741544+01	.60084513+00
.47516586+00	.17059749+01	.39998897+00	.11815092+01	.60786504+00
.47734752+00	.17062305+01	.39805322+00	.11890439+01	.61502592+00
.47952918+00	.17064989+01	.39612441+00	.11967659+01	.62233327+00
.48172450+00	.17067727+01	.39458593+00	.12030833+01	.62828844+00
.48301983+00	.17069548+01	.39305115+00	.12095296+01	.63434410+00
.48476516+00	.17071949+01	.39151975+00	.12161090+01	.64050347+00
.48651049+00	.17074433+01	.38999139+00	.12228260+01	.64676999+00
.48825582+00	.17076999+01	.38846573+00	.12296855+01	.65314721+00
.49000115+00	.17079646+01	.38694244+00	.12366925+01	.65963891+00
.49174647+00	.17082377+01	.38542116+00	.12438522+01	.66624901+00
.49349180+00	.17085191+01	.38390155+00	.12511703+01	.67298169+00
.49523713+00	.17088089+01	.38238325+00	.12586525+01	.67984122+00
.49698246+00	.17090317+01	.38124517+00	.12663757+01	.68507194+00
.49872779+00	.17092594+01	.38010747+00	.12701975+01	.69037864+00
.49997312+00	.17094918+01	.37896999+00	.12761207+01	.69576351+00
.50047311+00	.17097291+01	.37783256+00	.12821483+01	.70122865+00
.50178210+00	.17099713+01	.37669502+00	.12882834+01	.70677634+00
.50309108+00	.17102184+01	.37555721+00	.12945292+01	.71240905+00
.50440007+00	.17104705+01	.37441894+00	.13008892+01	.71812925+00
.50570896+00	.17107277+01	.37327998+00	.13073664+01	.72393914+00
.50701765+00	.17109904+01	.37214008+00	.13139640+01	.72984096+00
.50789011+00	.17111684+01	.37137961+00	.13184317+01	.73382846+00
.50876258+00	.17113487+01	.37061865+00	.13229564+01	.73785938+00
.50963504+00	.17115313+01	.36985714+00	.13275391+01	.74193459+00

TABLE 187. (Concluded)

$$M_{\infty} = .80000042+01$$

$$\Theta_s = .43633230+00$$

\underline{e}	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.51050750+00	.17117163+01	.36909501+00	.13321811+01	.74605498+00
.51137996+00	.17119036+01	.36833222+00	.13368839+01	.75022162+00
.51225243+00	.17120933+01	.36756871+00	.13416487+01	.75443540+00
.51312489+00	.17122853+01	.36680440+00	.13464770+01	.75869742+00
.51399735+00	.17124798+01	.36603926+00	.13513701+01	.76300865+00
.51486982+00	.17126768+01	.36527321+00	.13563297+01	.76737027+00
.51530605+00	.17127762+01	.36488982+00	.13588348+01	.76957027+00
.51574228+00	.17128763+01	.36450619+00	.13613571+01	.77178331+00
.51617851+00	.17129769+01	.36412229+00	.13638968+01	.77400951+00
.51661474+00	.17130782+01	.36373811+00	.13664540+01	.77624901+00
.51705097+00	.17131801+01	.36335365+00	.13690291+01	.77850201+00
.51748721+00	.17132827+01	.36296891+00	.13716222+01	.78076861+00
.51792344+00	.17133859+01	.36258388+00	.13742336+01	.78304900+00
.51835967+00	.17134897+01	.36219854+00	.13768633+01	.78534327+00
.51879590+00	.17135942+01	.36181287+00	.13795118+01	.78765167+00
.51923213+00	.17136993+01	.36142689+00	.13821791+01	.78997436+00
.51966836+00	.17138051+01	.36104058+00	.13848656+01	.79231144+00
.52010459+00	.17139116+01	.36065391+00	.13875714+01	.79466315+00
.52054083+00	.17140187+01	.36026691+00	.13902969+01	.79702964+00
.52097706+00	.17141265+01	.35987954+00	.13930422+01	.79941108+00
.52141329+00	.17142349+01	.35949179+00	.13958076+01	.80180766+00
.52184952+00	.17143440+01	.35910366+00	.13985934+01	.80421958+00
.52228575+00	.17144539+01	.35871515+00	.14013999+01	.80664701+00
.52272198+00	.17145643+01	.35832623+00	.14042272+01	.80909012+00
.52315821+00	.17146755+01	.35793690+00	.14070756+01	.81154914+00
.52359445+00	.17147874+01	.35754715+00	.14099455+01	.81402428+00
.52403068+00	.17149000+01	.35715695+00	.14128371+01	.81651568+00
.52446691+00	.17150133+01	.35676633+00	.14157507+01	.81902360+00
.52490314+00	.17151273+01	.35637524+00	.14186866+01	.82154826+00
.52533937+00	.17152420+01	.35598368+00	.14216451+01	.82408984+00
.52577560+00	.17153574+01	.35559165+00	.14246264+01	.82664855+00
.52590795+00	.17153926+01	.35547262+00	.14255355+01	.82742822+00

$$.14475520+01 = \Delta S/R$$

$$.21851765+02 = P_s/P_{\infty}$$

$$.35661760+01 = \rho_s/\rho_{\infty}$$

$$.61275062+01 = T_s/T_{\infty}$$

TABLE 188. CONICAL FLOWFIELD $\theta_s = 25.0$ DEG; $M_\infty = 10.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.86102030+00	.99999948+01	.43633230+00	.51963622+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.43633230+00	.17220083+01	.43633230+00	.10722535+01	.50000000+00
.43895029+00	.17220201+01	.43372873+00	.10787613+01	.50647715+00
.44156829+00	.17220548+01	.43115294+00	.10854312+01	.51308094+00
.44418628+00	.17221119+01	.42860338+00	.10922691+01	.51981607+00
.44680427+00	.17221909+01	.42607856+00	.10992817+01	.52668753+00
.44942226+00	.17222913+01	.42357703+00	.11064761+01	.53370069+00
.45204026+00	.17224126+01	.42109741+00	.11138596+01	.54086113+00
.45465825+00	.17225545+01	.41863834+00	.11214400+01	.54817475+00
.45727624+00	.17227167+01	.41619852+00	.11292258+01	.55564792+00
.45945790+00	.17228670+01	.41417911+00	.11358772+01	.56200226+00
.46163956+00	.17230311+01	.41217145+00	.11426828+01	.56847607+00
.46382122+00	.17232087+01	.41017481+00	.11496485+01	.57507374+00
.46600288+00	.17233997+01	.40818850+00	.11567801+01	.58179975+00
.46818454+00	.17236040+01	.40621180+00	.11640843+01	.58865888+00
.47036620+00	.17238216+01	.40424403+00	.11715676+01	.59565620+00
.47254786+00	.17240524+01	.40228448+00	.11792374+01	.60279709+00
.47472952+00	.17242963+01	.40033247+00	.11871013+01	.61008713+00
.47647485+00	.17245008+01	.39877583+00	.11935375+01	.61603057+00
.47822018+00	.17247138+01	.39722321+00	.12001074+01	.62207653+00
.47996551+00	.17249351+01	.39567425+00	.12068157+01	.62822841+00
.48171084+00	.17251648+01	.39412861+00	.12136670+01	.63448970+00
.48345616+00	.17254030+01	.39258591+00	.12206665+01	.64086417+00
.48520149+00	.17256495+01	.39104579+00	.12278197+01	.64735580+00
.48694682+00	.17259046+01	.38950787+00	.12351318+01	.65396857+00
.48869215+00	.17261682+01	.38797178+00	.12426091+01	.66070690+00
.49000115+00	.17263715+01	.38682069+00	.12483291+01	.66584577+00
.49131014+00	.17265797+01	.38567024+00	.12541483+01	.67105988+00
.49261914+00	.17267927+01	.38452028+00	.12600695+01	.67635130+00
.49392813+00	.17270107+01	.38337063+00	.12660957+01	.68172219+00
.49523713+00	.17272335+01	.38222113+00	.12722300+01	.68717486+00
.49654613+00	.17274614+01	.38107158+00	.12784758+01	.69271176+00
.49785512+00	.17276943+01	.37992182+00	.12848365+01	.69833525+00
.49916412+00	.17279322+01	.37877167+00	.12913155+01	.70404800+00
.50003678+00	.17280937+01	.37800459+00	.12957026+01	.70790745+00
.50090934+00	.17282576+01	.37723711+00	.13001446+01	.71180812+00
.50178181+00	.17284241+01	.37646919+00	.13046428+01	.71575094+00
.50265427+00	.17285928+01	.37570083+00	.13091989+01	.71973722+00
.50352673+00	.17287639+01	.37493199+00	.13138140+01	.72376782+00
.50439920+00	.17289374+01	.37416259+00	.13184896+01	.72784372+00
.50527166+00	.17291131+01	.37339258+00	.13232271+01	.73196593+00

TABLE 188. (Concluded)

$$M_{\infty} = .99999948+01$$

$$\Theta_s = .43633230+00$$

Θ	M_1^*	ψ_1	x	r
.50614412+00	.17292914+01	.37262189+00	.13280278+01	.73613545+00
.50658035+00	.17293814+01	.37223627+00	.13304523+01	.73823828+00
.50701658+00	.17294720+01	.37185047+00	.13328931+01	.74035326+00
.50745282+00	.17295632+01	.37146445+00	.13353505+01	.74248064+00
.50788905+00	.17296551+01	.37107822+00	.13378245+01	.74462046+00
.50832528+00	.17297475+01	.37069178+00	.13403155+01	.74677295+00
.50876151+00	.17298406+01	.37030511+00	.13428237+01	.74893822+00
.50919774+00	.17299343+01	.36991820+00	.13453491+01	.75111634+00
.50963397+00	.17300286+01	.36953107+00	.13478921+01	.75330758+00
.51007020+00	.17301236+01	.36914366+00	.13504528+01	.75551200+00
.51050644+00	.17302192+01	.36875600+00	.13530314+01	.75772980+00
.51094267+00	.17303154+01	.36836807+00	.13556282+01	.75996107+00
.51137890+00	.17304122+01	.36797985+00	.13582434+01	.76220606+00
.51181513+00	.17305098+01	.36759134+00	.13608772+01	.76446485+00
.51225136+00	.17306080+01	.36720254+00	.13635298+01	.76673764+00
.51268759+00	.17307067+01	.36681345+00	.13662015+01	.76902460+00
.51312383+00	.17308062+01	.36642404+00	.13688925+01	.77132591+00
.51356006+00	.17309064+01	.36603430+00	.13716031+01	.77364174+00
.51399629+00	.17310071+01	.36564422+00	.13743334+01	.77597222+00
.51443252+00	.17311086+01	.36525380+00	.13770038+01	.77831756+00
.51486875+00	.17312107+01	.36486302+00	.13798545+01	.78067794+00
.51530498+00	.17313135+01	.36447187+00	.13826457+01	.78305352+00
.51574121+00	.17314170+01	.36408035+00	.13854577+01	.78544452+00
.51617745+00	.17315211+01	.36368844+00	.13882908+01	.78785112+00
.51661368+00	.17316260+01	.36329613+00	.13911453+01	.79027353+00
.51704991+00	.17317315+01	.36290341+00	.13940213+01	.79271192+00
.51748614+00	.17318378+01	.36251027+00	.13969194+01	.79516652+00
.51792237+00	.17319447+01	.36211669+00	.13998396+01	.79763754+00
.51835860+00	.17320523+01	.36172269+00	.14027824+01	.80012513+00
.51879483+00	.17321607+01	.36132822+00	.14057479+01	.80262959+00
.51923107+00	.17322698+01	.36093328+00	.14087366+01	.80515108+00
.51966730+00	.17323717+01	.36054605+00	.14115333+01	.80750842+00

$$.19513592+01 = \Delta S/R$$

$$.33385814+02 = P_s/P_{\infty}$$

$$.37594381+01 = \rho_s/\rho_{\infty}$$

$$.88805331+01 = T_s/T_{\infty}$$

TABLE 189. CONICAL FLOWFIELD $\theta_s = 25.0$ DEG; $M_\infty = 12.5$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.86702051+00	.12500000+02	.43633230+00	.51559588+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.43633230+00	.17340085+01	.43633230+00	.10722535+01	.50000000+00
.43895029+00	.17340203+01	.43372872+00	.10790093+01	.50659358+00
.44156829+00	.17340553+01	.43115285+00	.10859378+01	.51332042+00
.44418628+00	.17341128+01	.42860308+00	.10930457+01	.52018563+00
.44680427+00	.17341923+01	.42607785+00	.11003403+01	.52719470+00
.44942226+00	.17342934+01	.42357567+00	.11078293+01	.53435338+00
.45204026+00	.17344157+01	.42109507+00	.11155208+01	.54166779+00
.45465825+00	.17345587+01	.41863466+00	.11234237+01	.54914442+00
.45727624+00	.17347221+01	.41619307+00	.11315472+01	.55679023+00
.45945790+00	.17348737+01	.41417181+00	.11384924+01	.56329620+00
.46163956+00	.17350390+01	.41216192+00	.11456038+01	.56992924+00
.46382122+00	.17352181+01	.41016266+00	.11528877+01	.57669408+00
.46600288+00	.17354108+01	.40817327+00	.11603511+01	.58359573+00
.46818454+00	.17356170+01	.40619303+00	.11680011+01	.59063955+00
.47036620+00	.17358366+01	.40422118+00	.11758452+01	.59783104+00
.47254786+00	.17360696+01	.40225701+00	.11838915+01	.60517616+00
.47472952+00	.17363159+01	.40029979+00	.11921489+01	.61268125+00
.47647485+00	.17365227+01	.39873851+00	.11989127+01	.61880492+00
.47822018+00	.17367379+01	.39718083+00	.12058223+01	.62503886+00
.47996551+00	.17369617+01	.39562635+00	.12128830+01	.63138686+00
.48171084+00	.17371941+01	.39407470+00	.12201000+01	.63785281+00
.48345616+00	.17374350+01	.39252548+00	.12274795+01	.64444106+00
.48520149+00	.17376847+01	.39097831+00	.12350273+01	.65115593+00
.48694682+00	.17379430+01	.38943277+00	.12427498+01	.65800206+00
.48869215+00	.17382100+01	.38788847+00	.12506540+01	.66498443+00
.49000115+00	.17384161+01	.38673081+00	.12567056+01	.67031373+00
.49131014+00	.17386272+01	.38557342+00	.12628668+01	.67572491+00
.49261914+00	.17388433+01	.38441613+00	.12691407+01	.68122036+00
.49392813+00	.17390644+01	.38325875+00	.12755309+01	.68680255+00
.49523713+00	.17392907+01	.38210110+00	.12820410+01	.69247412+00
.49654613+00	.17395221+01	.38094297+00	.12886749+01	.69823790+00
.49785511+00	.17397591+01	.37978421+00	.12954364+01	.70409651+00
.49916408+00	.17400015+01	.37862460+00	.13023298+01	.71005312+00
.50003672+00	.17401661+01	.37785093+00	.13070009+01	.71408017+00
.50090919+00	.17403330+01	.37707653+00	.13117330+01	.71815230+00
.50178165+00	.17405024+01	.37630153+00	.13165284+01	.72227132+00
.50265411+00	.17406742+01	.37552585+00	.13213886+01	.72643831+00
.50352658+00	.17408483+01	.37474944+00	.13263152+01	.73065435+00
.50439904+00	.17410250+01	.37397221+00	.13313097+01	.73492048+00
.50527150+00	.17412042+01	.37319411+00	.13363736+01	.73923789+00

TABLE 189. (Concluded)

$$M_{\text{ub}} = .12500000+02$$

$$\Theta_s = .43633230+00$$

<u>O</u>	<u>M*</u> <u>1</u>	<u>ψ_1</u>	<u>X</u>	<u>r</u>
.50614396+00	.17413859+01	.37241507+00	.13415086+01	.74360767+00
.50658020+00	.17414777+01	.37202516+00	.13441033+01	.74581264+00
.50701643+00	.17415701+01	.37163499+00	.13467165+01	.74803118+00
.50745266+00	.17416632+01	.37124455+00	.13493483+01	.75026345+00
.50788889+00	.17417569+01	.37085382+00	.13519990+01	.75250956+00
.50832512+00	.17418513+01	.37046280+00	.13546688+01	.75476979+00
.50876135+00	.17419463+01	.37007148+00	.13573581+01	.75704426+00
.50919759+00	.17420420+01	.36967984+00	.13600668+01	.75933306+00
.50963382+00	.17421383+01	.36928788+00	.13627954+01	.76163644+00
.51007005+00	.17422354+01	.36889558+00	.13655442+01	.76395463+00
.51050628+00	.17423330+01	.36850295+00	.13683133+01	.76628774+00
.51094251+00	.17424314+01	.36810996+00	.13711031+01	.76863596+00
.51137874+00	.17425304+01	.36771661+00	.13739137+01	.77099945+00
.51181497+00	.17426301+01	.36732289+00	.13767454+01	.77337846+00
.51225121+00	.17427305+01	.36692879+00	.13795986+01	.77577312+00
.51268744+00	.17428315+01	.36653430+00	.13824734+01	.77818368+00
.51312367+00	.17429333+01	.36613940+00	.13853704+01	.78061036+00
.51355990+00	.17430358+01	.36574408+00	.13882895+01	.78305329+00
.51399613+00	.17431390+01	.36534832+00	.13912313+01	.78551274+00
.51443236+00	.17432429+01	.36495213+00	.13941960+01	.78798895+00
.51486859+00	.17433474+01	.36455548+00	.13971838+01	.79048204+00
.51530483+00	.17434528+01	.36415837+00	.14001952+01	.79299230+00
.51559588+00	.17435234+01	.36389316+00	.14022176+01	.79467677+00

$$.25067764+01 = \Delta S/R$$

$$.51406712+02 = P_s/P_\infty$$

$$.39003775+01 = \rho_s/\rho_\infty$$

$$.13179933+02 = T_s/T_\infty$$

TABLE 190. CONICAL FLOWFIELD $\theta_s = 25.0^\circ$ DEG; $M_\infty = 15.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.87032427+00	.15000025+02	.43633230+00	.51339190+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.43633230+00	.17406159+01	.43633230+00	.10722535+01	.50000000+00
.43851396+00	.17406241+01	.43416068+00	.10779903+01	.50554123+00
.44069562+00	.17406486+01	.43200847+00	.10838505+01	.51117708+00
.44287728+00	.17406889+01	.42987470+00	.10898383+01	.51691062+00
.44505894+00	.17407448+01	.42775844+00	.10959579+01	.52274507+00
.44724060+00	.17408159+01	.42565879+00	.11022139+01	.52868386+00
.44942226+00	.17409020+01	.42357486+00	.11086112+01	.53473052+00
.45160392+00	.17410028+01	.42150579+00	.11151546+01	.54088878+00
.45378558+00	.17411181+01	.41945076+00	.11218497+01	.54716261+00
.45596724+00	.17412478+01	.41740893+00	.11287020+01	.55355617+00
.45814890+00	.17413916+01	.41537951+00	.11357174+01	.56007380+00
.46033056+00	.17415494+01	.41336172+00	.11429021+01	.56672006+00
.46207589+00	.17416857+01	.41175532+00	.11487763+01	.57213300+00
.46382122+00	.17418307+01	.41015547+00	.11547667+01	.57763399+00
.46556655+00	.17419845+01	.40856177+00	.11608770+01	.58322573+00
.46731188+00	.17421471+01	.40697384+00	.11671112+01	.58891117+00
.46905721+00	.17423183+01	.40539128+00	.11734733+01	.59469328+00
.47080253+00	.17424981+01	.40381372+00	.11799677+01	.60057512+00
.47254786+00	.17426866+01	.40224075+00	.11865987+01	.60656000+00
.47429319+00	.17428837+01	.40067200+00	.11933713+01	.61265142+00
.47603852+00	.17430895+01	.39910707+00	.12002905+01	.61885295+00
.47778385+00	.17433039+01	.39754557+00	.12073613+01	.62516841+00
.47952918+00	.17435269+01	.39598710+00	.12145894+01	.63160173+00
.48083817+00	.17436998+01	.39482001+00	.12201173+01	.63650668+00
.48214717+00	.17438777+01	.39365423+00	.12257394+01	.64148216+00
.48345616+00	.17440605+01	.39248959+00	.12314586+01	.64653012+00
.48476516+00	.17442481+01	.39132591+00	.12372776+01	.65165264+00
.48607416+00	.17444408+01	.39016303+00	.12431994+01	.65685172+00
.48738315+00	.17446384+01	.38900076+00	.12492270+01	.66212962+00
.48869215+00	.17448411+01	.38783891+00	.12553635+01	.66748855+00
.49000115+00	.17450487+01	.38667731+00	.12616124+01	.67293093+00
.49131014+00	.17452615+01	.38551576+00	.12679770+01	.67845925+00
.49261914+00	.17454793+01	.38435408+00	.12744611+01	.68407612+00
.49392813+00	.17457024+01	.38319207+00	.12810684+01	.68978417+00
.49480080+00	.17458539+01	.38241711+00	.12855437+01	.69364166+00
.49567346+00	.17460080+01	.38164187+00	.12900767+01	.69754180+00
.49654610+00	.17461646+01	.38086629+00	.12946688+01	.70148551+00
.49741875+00	.17463235+01	.38009029+00	.12993212+01	.70547369+00
.49829140+00	.17464849+01	.37931380+00	.13040353+01	.70950738+00
.49916405+00	.17466486+01	.37853677+00	.13088125+01	.71358755+00

TABLE 190. (Concluded)

$$M_{\infty} = .15000025+02$$

$$\Theta_s = .43633230+00$$

Θ	M_1^*	ψ_1	x	r
.50003669+00	.17468148+01	.37775911+00	.13136541+01	.71771511+00
.50090916+00	.17469834+01	.37698059+00	.13185609+01	.72189040+00
.50178162+00	.17471545+01	.37620132+00	.13235351+01	.72611529+00
.50265408+00	.17473280+01	.37542122+00	.13285786+01	.73039097+00
.50352655+00	.17475041+01	.37464023+00	.13336928+01	.73471855+00
.50396278+00	.17475930+01	.37424938+00	.13362771+01	.73690221+00
.50439901+00	.17476827+01	.37385827+00	.13388797+01	.73909929+00
.50483524+00	.17477729+01	.37346691+00	.13415009+01	.74130997+00
.50527147+00	.17478638+01	.37307527+00	.13441408+01	.74353437+00
.50570770+00	.17479554+01	.37268336+00	.13467998+01	.74577274+00
.50614394+00	.17480475+01	.37229116+00	.13494781+01	.74802516+00
.50658017+00	.17481404+01	.37189866+00	.13521758+01	.75029184+00
.50701640+00	.17482339+01	.37150584+00	.13548934+01	.75257295+00
.50745263+00	.17483280+01	.37111271+00	.13576309+01	.75486869+00
.50788886+00	.17484229+01	.37071925+00	.13603888+01	.75717919+00
.50832509+00	.17485184+01	.37032545+00	.13631671+01	.75950464+00
.50876132+00	.17486146+01	.36993130+00	.13659662+01	.76184525+00
.50919756+00	.17487114+01	.36953679+00	.13687863+01	.76420116+00
.50963379+00	.17488090+01	.36914190+00	.13716278+01	.76657261+00
.51007002+00	.17489072+01	.36874663+00	.13744909+01	.76895982+00
.51050625+00	.17490061+01	.36835098+00	.13773759+01	.77136293+00
.51094248+00	.17491057+01	.36795490+00	.13802831+01	.77378219+00
.51137871+00	.17492059+01	.36755843+00	.13832127+01	.77621777+00
.51181494+00	.17493070+01	.36716153+00	.13861652+01	.77866990+00
.51225118+00	.17494087+01	.36676418+00	.13891407+01	.78113878+00
.51268741+00	.17495111+01	.36636639+00	.13921397+01	.78362466+00
.51312364+00	.17496142+01	.36596813+00	.13951623+01	.78612775+00
.51339190+00	.17496780+01	.36572299+00	.13970330+01	.78767565+00

$$.29888744+01 = \Delta S/R$$

$$.73431670+02 = P_s/P_{\infty}$$

$$.39835603+01 = \rho_s/\rho_{\infty}$$

$$.18433679+02 = T_s/T_{\infty}$$

TABLE 191. CONICAL FLOWFIELD $\theta_s = 25.0^\circ$ DEG; $M_\infty = 17.5$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.87233172+00	.17499973+02	.43633230+00	.51205975+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.43633230+00	.17446307+01	.43633230+00	.10722535+01	.50000000+00
.43851396+00	.17446390+01	.43416068+00	.10780644+01	.50557596+00
.44069562+00	.17446635+01	.43200845+00	.10840015+01	.51124827+00
.44287728+00	.17447039+01	.42987464+00	.10900690+01	.51702005+00
.44505894+00	.17447599+01	.42775829+00	.10962714+01	.52289461+00
.44724060+00	.17448311+01	.42565849+00	.11026135+01	.52887552+00
.44942226+00	.17449174+01	.42357435+00	.11091002+01	.53496639+00
.45160392+00	.17450185+01	.42150499+00	.11157366+01	.54117104+00
.45378558+00	.17451341+01	.41944956+00	.11225283+01	.54749361+00
.45596724+00	.17452641+01	.41740724+00	.11294812+01	.55393834+00
.45814890+00	.17454083+01	.41537721+00	.11366013+01	.56050970+00
.46033056+00	.17455666+01	.41335866+00	.11438953+01	.56721256+00
.46207589+00	.17457032+01	.41175156+00	.11498603+01	.57267283+00
.46382122+00	.17458487+01	.41015092+00	.11559445+01	.57822313+00
.46556655+00	.17460029+01	.40855631+00	.11621519+01	.58386625+00
.46731188+00	.17461659+01	.40696735+00	.11684867+01	.58960526+00
.46905721+00	.17463377+01	.40538365+00	.11749530+01	.59544315+00
.47080253+00	.17465181+01	.40380481+00	.11815553+01	.60138321+00
.47254786+00	.17467072+01	.40223043+00	.11882984+01	.60742885+00
.47429319+00	.17469050+01	.40066011+00	.11951873+01	.61358368+00
.47603852+00	.17471115+01	.39909347+00	.12022270+01	.61985139+00
.47778385+00	.17473267+01	.39753010+00	.12094231+01	.62623599+00
.47952918+00	.17475506+01	.39596959+00	.12167814+01	.63274160+00
.48083817+00	.17477242+01	.39480084+00	.1224103+01	.63770291+00
.48214717+00	.17479028+01	.39363329+00	.12281366+01	.64273672+00
.48345616+00	.17480863+01	.39246678+00	.12339630+01	.64784501+00
.48476516+00	.17482748+01	.39130111+00	.12398927+01	.65302995+00
.48607416+00	.17484683+01	.39013612+00	.12459285+01	.65829366+00
.48738315+00	.17486668+01	.38897160+00	.12520737+01	.66363846+00
.48869215+00	.17488704+01	.38780739+00	.12583317+01	.66906677+00
.49000115+00	.17490790+01	.38664328+00	.12647060+01	.67458102+00
.49131014+00	.17492929+01	.38547908+00	.12712002+01	.68018387+00
.49261914+00	.17495118+01	.38431459+00	.12778181+01	.68587802+00
.49392813+00	.17497360+01	.38314961+00	.12845639+01	.69166628+00
.49480079+00	.17498886+01	.38237261+00	.12891341+01	.69557890+00
.49567344+00	.17500437+01	.38159524+00	.12937642+01	.69953555+00
.49654609+00	.17502012+01	.38081744+00	.12984556+01	.70353725+00
.49741874+00	.17503610+01	.38003914+00	.13032097+01	.70758494+00
.49829139+00	.17505233+01	.37926027+00	.13080278+01	.71167963+00
.49916404+00	.17506880+01	.37848077+00	.13129116+01	.71582241+00

TABLE 191. (Concluded)

$$M_{\infty} = .17499973+02$$

$$\Theta_s = .43633230+00$$

Θ	M_1^*	ψ_1	x	r
.50003668+00	.17508552+01	.37770054+00	.13178625+01	.72001430+00
.50090914+00	.17510248+01	.37691937+00	.13228811+01	.72425562+00
.50178161+00	.17511970+01	.37613735+00	.13279698+01	.72854824+00
.50265407+00	.17513717+01	.37535442+00	.13331307+01	.73289350+00
.50352653+00	.17515489+01	.37457050+00	.13383655+01	.73729264+00
.50396276+00	.17516384+01	.37417813+00	.13410111+01	.73951276+00
.50439899+00	.17517287+01	.37378550+00	.13436758+01	.74174684+00
.50483523+00	.17518196+01	.37339257+00	.13463598+01	.74399500+00
.50527146+00	.17519111+01	.37299936+00	.13490635+01	.74625746+00
.50570769+00	.17520033+01	.37260582+00	.13517871+01	.74853435+00
.50614392+00	.17520961+01	.37221198+00	.13545308+01	.75082589+00
.50658015+00	.17521896+01	.37181780+00	.13572948+01	.75313222+00
.50701638+00	.17522838+01	.37142329+00	.13600795+01	.75545355+00
.50745261+00	.17523786+01	.37102842+00	.13628850+01	.75779004+00
.50788885+00	.17524742+01	.37063320+00	.13657118+01	.76014190+00
.50832508+00	.17525704+01	.37023761+00	.13685600+01	.76250932+00
.50876131+00	.17526673+01	.36984164+00	.13714299+01	.76489252+00
.50919754+00	.17527649+01	.36944527+00	.13743218+01	.76729161+00
.50963377+00	.17528632+01	.36904849+00	.13772361+01	.76970691+00
.51007000+00	.17529622+01	.36865131+00	.13801730+01	.77213863+00
.51050624+00	.17530619+01	.36825369+00	.13831327+01	.77458683+00
.51094247+00	.17531623+01	.36785564+00	.13861156+01	.77705187+00
.51137870+00	.17532634+01	.36745714+00	.13891222+01	.77953392+00
.51181493+00	.17533652+01	.36705819+00	.13921525+01	.78203322+00
.51205975+00	.17534227+01	.36666340+00	.13938638+01	.78344351+00

$$.34111269+01 = \Delta S/R$$

$$.99459888+02 = P_s/P_{\infty}$$

$$.40362085+01 = \rho_s/\rho_{\infty}$$

$$.24641911+02 = T_s/T_{\infty}$$

TABLE 192. CONICAL FLOWFIELD $\theta_s = 25.0$ DEG; $M_\infty = 20.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.87364084+00	.19999982+02	.43633230+00	.51119379+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.43633230+00	.17472489+01	.43633230+00	.10722535+01	.50000000+00
.43851396+00	.17472572+01	.43416067+00	.10781137+01	.50559907+00
.44069562+00	.17472618+01	.43200843+00	.10841018+01	.51129559+00
.44287728+00	.17473222+01	.42987459+00	.10902223+01	.51709277+00
.44505894+00	.17473783+01	.42775819+00	.10964798+01	.52299399+00
.44724060+00	.17474497+01	.42565829+00	.11028789+01	.52900282+00
.44942226+00	.17475361+01	.42357400+00	.11094250+01	.53512307+00
.45160392+00	.17476373+01	.42150445+00	.11161233+01	.54135863+00
.45378558+00	.17477532+01	.41944876+00	.11229794+01	.54771359+00
.45596724+00	.17478834+01	.41740611+00	.11299992+01	.55419236+00
.45814890+00	.17480278+01	.41537566+00	.11371891+01	.56079956+00
.46033056+00	.17481863+01	.41335662+00	.11445559+01	.56754008+00
.46207589+00	.17483232+01	.41174905+00	.11505812+01	.57303187+00
.46382122+00	.17484689+01	.41014786+00	.11567280+01	.57861502+00
.46556655+00	.17486235+01	.40855264+00	.11630002+01	.58429242+00
.46731188+00	.17487868+01	.40696300+00	.11694020+01	.59006710+00
.46905721+00	.17489589+01	.40537853+00	.11759378+01	.59594225+00
.47080253+00	.17491397+01	.40379883+00	.11826123+01	.60192115+00
.47254786+00	.17493293+01	.40222351+00	.11894301+01	.60800733+00
.47429319+00	.17495275+01	.40065215+00	.11963965+01	.61420448+00
.47603852+00	.17497345+01	.39908436+00	.12035169+01	.62051646+00
.47778385+00	.17499502+01	.39751973+00	.12107969+01	.62694732+00
.47952918+00	.17501746+01	.39595784+00	.12182425+01	.63350136+00
.48083817+00	.17503487+01	.39478798+00	.12239390+01	.63850041+00
.48214717+00	.17505277+01	.39361925+00	.12297350+01	.64357323+00
.48345616+00	.17507118+01	.39245148+00	.12356334+01	.64872194+00
.48476516+00	.17509008+01	.39128447+00	.12416371+01	.65394872+00
.48607416+00	.17510948+01	.39011805+00	.12477495+01	.65925579+00
.48738315+00	.17512940+01	.38895203+00	.12539737+01	.66464551+00
.48869215+00	.17514982+01	.38778622+00	.12603132+01	.67012033+00
.49000115+00	.17517075+01	.38662042+00	.12667714+01	.67568284+00
.49131014+00	.17519220+01	.38545443+00	.12733528+01	.68133570+00
.49261914+00	.17521417+01	.38428805+00	.12800608+01	.68708175+00
.49392813+00	.17523669+01	.38312110+00	.12868995+01	.69292387+00
.49480078+00	.17525201+01	.38234271+00	.12915334+01	.69687350+00
.49567343+00	.17526758+01	.38156391+00	.12962289+01	.70086818+00
.49654607+00	.17528338+01	.38078461+00	.13009871+01	.70490887+00
.49741872+00	.17529943+01	.38000475+00	.13058097+01	.70899660+00
.49829137+00	.17531572+01	.37922428+00	.13106980+01	.71313241+00
.49916402+00	.17533226+01	.37844310+00	.13156536+01	.71731736+00

TABLE 192. (Concluded)

$M_{\infty} = .19999982+02$		$\Theta_s = .43633230+00$		
Θ	M_1^*	ψ_1	x	r
.50003666+00	.17534904+01	.37766116+00	.13206781+01	.72155257+00
.50090913+00	.17536608+01	.37687820+00	.13257720+01	.72583832+00
.50178159+00	.17538336+01	.37609433+00	.13309381+01	.73017667+00
.50265405+00	.17540091+01	.37530949+00	.13361783+01	.73456887+00
.50352652+00	.17541871+01	.37452357+00	.13414943+01	.73901622+00
.50396275+00	.17542771+01	.37413019+00	.13441813+01	.74126100+00
.50439898+00	.17543677+01	.37373652+00	.13468880+01	.74352004+00
.50483521+00	.17544590+01	.37334253+00	.13496146+01	.74579354+00
.50527144+00	.17545509+01	.37294824+00	.13523614+01	.74808168+00
.50570767+00	.17546436+01	.37255362+00	.13551286+01	.75038464+00
.50614391+00	.17547368+01	.37215865+00	.13579165+01	.75270257+00
.50658014+00	.17548308+01	.37176335+00	.13607254+01	.75503574+00
.50701637+00	.17549255+01	.37136769+00	.13635554+01	.75738424+00
.50745260+00	.17550208+01	.37097165+00	.13664070+01	.75974829+00
.50788883+00	.17551168+01	.37057523+00	.13692804+01	.76212814+00
.50832506+00	.17552135+01	.37017843+00	.13721759+01	.76452397+00
.50876129+00	.17553109+01	.36978123+00	.13750937+01	.76693591+00
.50919753+00	.17554089+01	.36938360+00	.13780343+01	.76936433+00
.50963376+00	.17555077+01	.36898555+00	.13809978+01	.77180924+00
.51006999+00	.17556073+01	.36858706+00	.13839846+01	.77427103+00
.51050622+00	.17557075+01	.36818812+00	.13869950+01	.77674977+00
.51094245+00	.17558084+01	.36778872+00	.13900294+01	.77924585+00
.51119379+00	.17558669+01	.36755840+00	.13917886+01	.78069191+00

$$.37851838+01 = \Delta S/R$$

$$.12949314+03 = P_s/P_{\infty}$$

$$.40714511+01 = \rho_s/\rho_{\infty}$$

$$.31805159+02 = T_s/T_{\infty}$$

/ TABLE 193. CONICAL FLOWFIELD $\theta_s = 25.0$ DEG; $M_\infty = 22.5$

u_s	M_∞	θ_s	θ_w	
.87454124+00	.22499974+02	.43633230+00	.51059949+00	
θ	M_1^*	ψ_1	x	r
.43633230+00	.17490497+01	.43633230+00	.10722535+01	.50000000+00
.43851396+00	.17490580+01	.43416067+00	.10781479+01	.50561511+00
.44067562+00	.17490826+01	.43200843+00	.10841716+01	.51132848+00
.44287728+00	.17491231+01	.42987456+00	.10903290+01	.51714334+00
.44505894+00	.17491791+01	.42775812+00	.10966247+01	.52306314+00
.44724060+00	.17492506+01	.42565815+00	.11030638+01	.52909150+00
.44942226+00	.17493371+01	.42357377+00	.11096513+01	.53523220+00
.45160392+00	.17494385+01	.42150407+00	.11163926+01	.54148922+00
.45378558+00	.17495544+01	.41944820+00	.11232934+01	.54786677+00
.45596724+00	.17496848+01	.41740531+00	.11303600+01	.55436931+00
.45814890+00	.17498294+01	.41537458+00	.11375985+01	.56100147+00
.46033056+00	.17499882+01	.41335519+00	.11450160+01	.56776827+00
.46207589+00	.17501252+01	.41174729+00	.11510836+01	.57328209+00
.46382122+00	.17502711+01	.41014572+00	.11572741+01	.57888821+00
.46556655+00	.17504259+01	.40855008+00	.11635915+01	.58458950+00
.46731188+00	.17505894+01	.40695995+00	.11700403+01	.59038917+00
.46905721+00	.17507618+01	.40537494+00	.11766247+01	.59629034+00
.47080253+00	.17509429+01	.40379465+00	.11833495+01	.60229640+00
.47254786+00	.17511327+01	.40221866+00	.11902197+01	.60841095+00
.47429319+00	.17513313+01	.40064657+00	.11972405+01	.61463778+00
.47603852+00	.17515386+01	.39907797+00	.12044173+01	.62098069+00
.47778385+00	.17517546+01	.39751246+00	.12117559+01	.62744389+00
.47952918+00	.17519794+01	.39594961+00	.12192623+01	.63403170+00
.48083817+00	.17521538+01	.39477897+00	.12250062+01	.63905711+00
.48214717+00	.17523332+01	.39360941+00	.12308510+01	.64415728+00
.48345616+00	.17525176+01	.39244075+00	.12367997+01	.64933427+00
.48476516+00	.17527070+01	.39127281+00	.12428553+01	.65459032+00
.48607416+00	.17529015+01	.39010539+00	.12490212+01	.65992772+00
.48738315+00	.17531010+01	.38893831+00	.12553008+01	.66534892+00
.48869215+00	.17533056+01	.38777138+00	.12616974+01	.67085633+00
.49000115+00	.17535154+01	.38660439+00	.12682149+01	.67645264+00
.49131014+00	.17537304+01	.38543715+00	.12748572+01	.68214063+00
.49261914+00	.17539506+01	.38426944+00	.12816282+01	.68792308+00
.49392812+00	.17541765+01	.38310110+00	.12885322+01	.69380300+00
.49480077+00	.17543301+01	.38232173+00	.12932111+01	.69777869+00
.49567342+00	.17544862+01	.38154191+00	.12979524+01	.70180009+00
.49654607+00	.17546447+01	.38076156+00	.13027577+01	.70586820+00
.49741872+00	.17548056+01	.37998061+00	.13076283+01	.70998401+00
.49829137+00	.17549689+01	.37919900+00	.13125659+01	.71414869+00
.49916402+00	.17551347+01	.37841666+00	.13175720+01	.71836331+00

TABLE 193. (Concluded)

$$M_{\infty} = .22499974+02$$

$$\Theta_s = .43633230+00$$

Θ	M_1^*	ψ_1	\underline{x}	\underline{r}
.50003666+00	.17553031+01	.37763350+00	.13226482+01	.72262897+00
.50090912+00	.17554739+01	.37684929+00	.13277952+01	.72694598+00
.50178158+00	.17556473+01	.37606412+00	.13330158+01	.73131649+00
.50265405+00	.17558232+01	.37527792+00	.13383117+01	.73574170+00
.50352651+00	.17560018+01	.37449061+00	.13436849+01	.74022304+00
.50396274+00	.17560920+01	.37409651+00	.13464011+01	.74248511+00
.50439897+00	.17561830+01	.37370210+00	.13491374+01	.74476175+00
.50483520+00	.17562745+01	.37330738+00	.13518939+01	.74705306+00
.50527143+00	.17563668+01	.37291232+00	.13546710+01	.74935929+00
.50570767+00	.17564597+01	.37251694+00	.13574690+01	.75168058+00
.50614390+00	.17565533+01	.37212119+00	.13602880+01	.75401712+00
.50658013+00	.17566476+01	.37172509+00	.13631285+01	.75636917+00
.50701636+00	.17567425+01	.37132861+00	.13659906+01	.75873683+00
.50745259+00	.17568382+01	.37093176+00	.13688747+01	.76112035+00
.50788882+00	.17569345+01	.37053450+00	.13717810+01	.76351991+00
.50832506+00	.17570315+01	.37013683+00	.13747098+01	.76593575+00
.50876129+00	.17571293+01	.36973877+00	.13776615+01	.76836804+00
.50919752+00	.17572277+01	.36934025+00	.13806363+01	.77081700+00
.50963375+00	.17573269+01	.36894130+00	.13836347+01	.77328292+00
.51006998+00	.17574268+01	.36854190+00	.13866568+01	.77576594+00
.51050621+00	.17575274+01	.36814202+00	.13897030+01	.77826633+00
.5109949+00	.17575489+01	.36805645+00	.13903575+01	.77880324+00

$$.41201234+01 = \Delta S/R$$

$$.16353049+03 = P_s/P_{\infty}$$

$$.40961180+01 = \rho_s/\rho_{\infty}$$

$$.39923288+02 = T_s/T_{\infty}$$

TABLE 194. CONICAL FLOWFIELD $\theta_s = 25.0$ DEG; $M_\infty = 25.0$

u_s	M_∞	θ_s	θ_w	
.87518678+00	.24999921+02	.43633230+00	.51017410+00	
θ	M_1^*	ψ_1	x	r
.43633230+00	.17503407+01	.43633230+00	.10722535+01	.50000000+00
.43851396+00	.17503490+01	.43416067+00	.10781726+01	.50562670+00
.44069562+00	.17503736+01	.43200842+00	.10842219+01	.51135224+00
.44287728+00	.17504142+01	.42987454+00	.10904060+01	.51717988+00
.44505894+00	.17504703+01	.42775806+00	.10967294+01	.52311308+00
.44724060+00	.17505419+01	.42565805+00	.11031973+01	.52915554+00
.44942226+00	.17506284+01	.42357359+00	.11098147+01	.53531105+00
.45160392+00	.17507299+01	.42150380+00	.11165872+01	.54158362+00
.45378558+00	.17508459+01	.41944780+00	.11235205+01	.54797753+00
.45596724+00	.17509764+01	.41740474+00	.11306209+01	.55449729+00
.45814890+00	.17511211+01	.41537380+00	.11378947+01	.56114754+00
.46033056+00	.17512800+01	.41335415+00	.11453490+01	.56793337+00
.46207589+00	.17514172+01	.41174601+00	.11514470+01	.57346310+00
.46382122+00	.17515632+01	.41014417+00	.11576691+01	.57908582+00
.46556655+00	.17517181+01	.40854822+00	.11640194+01	.58480445+00
.46731188+00	.17518819+01	.40695775+00	.11705020+01	.59062217+00
.46905721+00	.17520544+01	.40537235+00	.11771217+01	.59654219+00
.47080253+00	.17522357+01	.40379161+00	.11838830+01	.60256795+00
.47254786+00	.17524257+01	.40221514+00	.11907912+01	.60870307+00
.47429319+00	.17526244+01	.40064252+00	.11978513+01	.61495133+00
.47603852+00	.17528320+01	.39907334+00	.12050690+01	.62131669+00
.47778385+00	.17530483+01	.39750718+00	.12124501+01	.62780333+00
.47952918+00	.17532734+01	.39594363+00	.12200008+01	.63441572+00
.48083817+00	.17534481+01	.39477242+00	.12257791+01	.63946034+00
.48214717+00	.17536277+01	.39360226+00	.12316594+01	.64458034+00
.48345616+00	.17538123+01	.39243295+00	.12376446+01	.64977786+00
.48476516+00	.17540020+01	.39126433+00	.12437380+01	.65505522+00
.48607416+00	.17541967+01	.39009619+00	.12499429+01	.66041467+00
.48738315+00	.17543965+01	.38892834+00	.12562626+01	.66585869+00
.48869215+00	.17546015+01	.38776059+00	.12627007+01	.67138978+00
.49000115+00	.17548116+01	.38659274+00	.12692612+01	.67701073+00
.49131014+00	.17550270+01	.38542458+00	.12759478+01	.68272419+00
.49261914+00	.17552476+01	.38425591+00	.12827647+01	.68853314+00
.49392812+00	.17554738+01	.38308654+00	.12897164+01	.69444060+00
.49480077+00	.17556278+01	.38230647+00	.12944278+01	.69843519+00
.49567342+00	.17557841+01	.38152590+00	.12992025+01	.70247602+00
.49654607+00	.17559428+01	.38074479+00	.13040419+01	.70656402+00
.49741872+00	.17561041+01	.37996304+00	.13089476+01	.71070036+00
.49829137+00	.17562677+01	.37918061+00	.13139211+01	.71488605+00
.49916402+00	.17564339+01	.37839741+00	.13189640+01	.71912225+00

TABLE 194. (Concluded)

$$M_{\infty} = .24999921+02$$

$$\Theta_s = .43633230+00$$

Θ	M^*_1	ψ_1	x	r
.50003666+00	.17566025+01	.37761337+00	.13240779+01	.72341009+00
.50090912+00	.17567737+01	.37682824+00	.13292636+01	.72774990+00
.50178158+00	.17569475+01	.37604212+00	.13345238+01	.73214383+00
.50265405+00	.17571238+01	.37525494+00	.13398604+01	.73659313+00
.50352651+00	.17573028+01	.37446661+00	.13452753+01	.74109917+00
.50396274+00	.17573932+01	.37407199+00	.13480128+01	.74337390+00
.50439897+00	.17574843+01	.37367705+00	.13507706+01	.74566333+00
.50483520+00	.17575761+01	.37328178+00	.13535489+01	.74796763+00
.50527143+00	.17576686+01	.37288617+00	.13563482+01	.75028703+00
.50570767+00	.17577617+01	.37249022+00	.13591686+01	.75262172+00
.50614390+00	.17578555+01	.37209391+00	.13620104+01	.75497185+00
.50658013+00	.17579501+01	.37169722+00	.13648739+01	.75733767+00
.50701636+00	.17580452+01	.37130015+00	.13677594+01	.75971929+00
.50745259+00	.17581411+01	.37090269+00	.13706672+01	.76211700+00
.50788882+00	.17582377+01	.37050483+00	.13735975+01	.76453096+00
.50832506+00	.17583350+01	.37010653+00	.13765507+01	.76696140+00
.50876129+00	.17584330+01	.36970782+00	.13795271+01	.76940854+00
.50919752+00	.17585317+01	.36930867+00	.13825270+01	.77187257+00
.50963375+00	.17586311+01	.36890905+00	.13855507+01	.77435375+00
.51006998+00	.17587312+01	.36850898+00	.13885985+01	.77685226+00
.51017410+00	.17587553+01	.36841341+00	.13893296+01	.77745120+00

$$.44229218+01 = \Delta S/R$$

$$.20157121+03 = P_s/P_{\infty}$$

$$.41140180+01 = \rho_s/\rho_{\infty}$$

$$.48996192+02 = T_s/T_{\infty}$$

TABLE 195. CONICAL FLOWFIELD $\theta_s = 25.0$ DEG; $M_\infty = 27.5$

u_s	M_∞	θ_s	θ_w	
.87566517+00	.27500067+02	.43633230+00	.50985917+00	
θ	M_1^*	ψ_1	x	r
.43633230+00	.17512975+01	.43633230+00	.10722535+01	.50000000+00
.43851396+00	.17513058+01	.43416067+00	.10781910+01	.50563536+00
.44069562+00	.17513304+01	.43200841+00	.10842595+01	.51136997+00
.44287728+00	.17513710+01	.42987452+00	.10904635+01	.51720714+00
.44505894+00	.17514271+01	.42775802+00	.10968076+01	.52315037+00
.44724060+00	.17514987+01	.42565798+00	.11032970+01	.52920333+00
.44942226+00	.17515853+01	.42357346+00	.11099367+01	.53536988+00
.45160392+00	.17516868+01	.42150359+00	.11167324+01	.54165408+00
.45378558+00	.17518030+01	.41944749+00	.11236900+01	.54806019+00
.45596724+00	.17519335+01	.41740431+00	.11308156+01	.55459276+00
.45814890+00	.17520784+01	.41537321+00	.11381158+01	.56125654+00
.46033056+00	.17522373+01	.41335337+00	.11455974+01	.56805657+00
.46207589+00	.17523746+01	.41174506+00	.11517184+01	.57359827+00
.46382122+00	.17525207+01	.41014301+00	.11579641+01	.57923337+00
.46556655+00	.17526757+01	.40854682+00	.11643388+01	.58496492+00
.46731188+00	.17528396+01	.40695609+00	.11708469+01	.59079618+00
.46905721+00	.17530122+01	.40537040+00	.11774929+01	.59673030+00
.47080253+00	.17531937+01	.40378934+00	.11843816+01	.60277079+00
.47254786+00	.17533838+01	.40221250+00	.11912180+01	.60892128+00
.47429319+00	.17535828+01	.40063948+00	.11983077+01	.61518562+00
.47603852+00	.17537905+01	.39906986+00	.12055559+01	.62156776+00
.47778385+00	.17540070+01	.39750322+00	.12129688+01	.62807196+00
.47952918+00	.17542323+01	.39593915+00	.12205527+01	.63470271+00
.48083817+00	.17544071+01	.39476751+00	.12263566+01	.63976162+00
.48214717+00	.17545869+01	.39359690+00	.12322634+01	.64489647+00
.48345616+00	.17547718+01	.39242711+00	.12382760+01	.65010938+00
.48476516+00	.17549616+01	.39125798+00	.12443977+01	.65540266+00
.48607416+00	.17551566+01	.39008929+00	.12506317+01	.66077863+00
.48738315+00	.17553566+01	.38892087+00	.12569814+01	.66623972+00
.48869215+00	.17555618+01	.38775251+00	.12634507+01	.67178858+00
.49000115+00	.17557722+01	.38658401+00	.12700434+01	.67742795+00
.49131014+00	.17559878+01	.38541517+00	.12767633+01	.68316056+00
.49261914+00	.17562086+01	.38424577+00	.12836147+01	.68898936+00
.49392811+00	.17564354+01	.38307566+00	.12906019+01	.69491738+00
.49480076+00	.17565895+01	.38229505+00	.12953378+01	.69892619+00
.49567341+00	.17567461+01	.38151392+00	.13001375+01	.70298157+00
.49654606+00	.17569050+01	.38073223+00	.13050026+01	.70708457+00
.49741871+00	.17570665+01	.37994990+00	.13099346+01	.71123624+00
.49829136+00	.17572304+01	.37916685+00	.13149350+01	.71543767+00
.49916401+00	.17573968+01	.37838300+00	.13200054+01	.71969002+00

TABLE 195. (Concluded)

$$M_{\infty} = .27500067+02$$

$$\Theta_s = .43633230+00$$

Θ	M_1^*	ψ_1	\underline{x}	\underline{r}
.50003665+00	.17575657+01	.37759830+00	.13251475+01	.72399444+00
.50090911+00	.17577372+01	.37681248+00	.13303622+01	.72835136+00
.50178158+00	.17579112+01	.37602565+00	.13356522+01	.73276286+00
.50265404+00	.17580878+01	.37523773+00	.13410192+01	.73723018+00
.50352650+00	.17582670+01	.37444863+00	.13464655+01	.74175479+00
.50396273+00	.17583576+01	.37405361+00	.13492189+01	.74403901+00
.50439896+00	.17584489+01	.37365828+00	.13519929+01	.74633805+00
.50483520+00	.17585409+01	.37326261+00	.13547876+01	.74865211+00
.50527143+00	.17586335+01	.37286659+00	.13576035+01	.75098144+00
.50570766+00	.17587268+01	.37247021+00	.13604407+01	.75332615+00
.50614389+00	.17588208+01	.37207346+00	.13632996+01	.75568648+00
.50658012+00	.17589155+01	.37167634+00	.13661804+01	.75806259+00
.50701635+00	.17590108+01	.37127883+00	.13690835+01	.76045474+00
.50745258+00	.17591069+01	.37088092+00	.13720090+01	.76286308+00
.50788882+00	.17592036+01	.37048259+00	.13749574+01	.76528785+00
.50832505+00	.17593011+01	.37008383+00	.13779288+01	.76772924+00
.50876128+00	.17593993+01	.36968464+00	.13809237+01	.77018747+00
.50919751+00	.17594981+01	.36928499+00	.13839424+01	.77266282+00
.50963374+00	.17595978+01	.36888489+00	.13869852+01	.77515543+00
.50985917+00	.17596495+01	.36867794+00	.13885672+01	.77645045+00

$$.46989843+01 = \Delta S/R$$

$$.24361983+03 = P_s/P_{\infty}$$

$$.41274068+01 = \rho_s/\rho_{\infty}$$

$$.59024914+02 = T_s/T_{\infty}$$

TABLE 196. CONICAL FLOWFIELD $\theta_s = 25.0$ DEG; $M_\infty = 30.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.87602947+00	.30000117+02	.43633230+00	.50961956+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.43633230+00	.17520261+01	.43633230+00	.10722535+01	.50000000+00
.43851396+00	.17520344+01	.43416067+00	.10782052+01	.50564198+00
.44069562+00	.17520590+01	.43200841+00	.10842883+01	.51138353+00
.44287728+00	.17520996+01	.42987451+00	.10905074+01	.51722797+00
.44505894+00	.17521558+01	.42775799+00	.10968673+01	.52317885+00
.44724060+00	.17522274+01	.42565792+00	.11033731+01	.52923985+00
.44942226+00	.17523140+01	.42357336+00	.11100299+01	.53541485+00
.45160392+00	.17524156+01	.42150344+00	.11168435+01	.54170793+00
.45378558+00	.17525318+01	.41944726+00	.11238196+01	.54812339+00
.45596724+00	.17526624+01	.41740398+00	.11309644+01	.55466576+00
.45814890+00	.17528073+01	.41537276+00	.11382847+01	.56133984+00
.46033056+00	.17529664+01	.41335277+00	.11457874+01	.56815074+00
.46207589+00	.17531037+01	.41174432+00	.11519257+01	.57370149+00
.46382122+00	.17532499+01	.41014212+00	.11581896+01	.57934615+00
.46556655+00	.17534050+01	.40854576+00	.11645830+01	.58508765+00
.46731188+00	.17535689+01	.40695482+00	.11711105+01	.59092920+00
.46905721+00	.17537417+01	.40536890+00	.11777766+01	.59687412+00
.47080253+00	.17539232+01	.40378759+00	.11845863+01	.60292587+00
.47254786+00	.17541135+01	.40221049+00	.11915444+01	.60908812+00
.47429319+00	.17543126+01	.40063716+00	.11986566+01	.61536475+00
.47603852+00	.17545205+01	.39906720+00	.12059283+01	.62175974+00
.47778385+00	.17547371+01	.39750019+00	.12133656+01	.62827741+00
.47952918+00	.17549626+01	.39593571+00	.12209748+01	.63492222+00
.48083817+00	.17551375+01	.39476376+00	.12267986+01	.63999217+00
.48214717+00	.17553174+01	.39359279+00	.12327257+01	.64513840+00
.48345616+00	.17555024+01	.39242264+00	.12387592+01	.65036307+00
.48476516+00	.17556925+01	.39125311+00	.12449026+01	.65566857+00
.48607416+00	.17558876+01	.39008401+00	.12511589+01	.66105718+00
.48738315+00	.17560878+01	.38891514+00	.12575319+01	.66653146+00
.48869215+00	.17562931+01	.38774631+00	.12640249+01	.67209391+00
.49000115+00	.17565037+01	.38657732+00	.12706422+01	.67774737+00
.49131014+00	.17567195+01	.38540795+00	.12773877+01	.68349465+00
.49261914+00	.17569406+01	.38423800+00	.12842655+01	.68933871+00
.49392811+00	.17571676+01	.38306729+00	.12912800+01	.69528252+00
.49480076+00	.17573219+01	.38228627+00	.12960346+01	.69930221+00
.49567341+00	.17574786+01	.38150473+00	.13008536+01	.70336872+00
.49654606+00	.17576378+01	.38072259+00	.13057384+01	.70748320+00
.49741871+00	.17577993+01	.37993980+00	.13106905+01	.71164665+00
.49829136+00	.17579634+01	.37915427+00	.13157115+01	.71586017+00
.49916401+00	.17581300+01	.37837194+00	.13208032+01	.72012499+00

TABLE 196. (Concluded)

$$M_{\infty} = .30000117+02$$

$$\Theta_s = .43633230+00$$

Θ	M_1^*	ψ_1	\underline{x}	\underline{r}
.50003665+00	.17582991+01	.37758672+00	.13259670+01	.72444218+00
.50090911+00	.17584708+01	.37680037+00	.13312040+01	.72881223+00
.50178158+00	.17586450+01	.37601300+00	.13365168+01	.73323721+00
.50265404+00	.17588219+01	.37522451+00	.13419073+01	.73771840+00
.50352650+00	.17590013+01	.37443482+00	.13473776+01	.74225728+00
.50396273+00	.17590921+01	.37403951+00	.13501434+01	.74454881+00
.50439896+00	.17591835+01	.37364386+00	.13529298+01	.74685524+00
.50483520+00	.17592755+01	.37324788+00	.13557371+01	.74917680+00
.50527143+00	.17593683+01	.37285154+00	.13585658+01	.75151373+00
.50570766+00	.17594617+01	.37245484+00	.13614159+01	.75386614+00
.50614389+00	.17595558+01	.37205777+00	.13642879+01	.75623429+00
.50658012+00	.17596506+01	.37166031+00	.13671820+01	.75861832+00
.50701635+00	.17597461+01	.37126245+00	.13700984+01	.76101850+00
.50745258+00	.17598423+01	.37086419+00	.13730376+01	.76343502+00
.50788882+00	.17599392+01	.37046550+00	.13759999+01	.76586810+00
.50832505+00	.17600368+01	.37006639+00	.13789854+01	.76831792+00
.50876128+00	.17601351+01	.36966683+00	.13819946+01	.77078473+00
.50919751+00	.17602342+01	.36926681+00	.13850278+01	.77326877+00
.50961956+00	.17603307+01	.36887935+00	.13879854+01	.77568860+00

$$.49524692+01 = \Delta S/R$$

$$.28967131+03 = P_s/P_{\infty}$$

$$.41376706+01 = \rho_s/\rho_{\infty}$$

$$.70008308+02 = T_s/T_{\infty}$$

TABLE 197. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 1.6858701$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.50000938+00	.16858701+01	.47996553+00	.94121914+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.47996553+00	.10000000+01	.47996553+00	.96049106+00	.50000000+00
.49392616+00	.10001868+01	.46636592+00	.95375033+00	.51354161+00
.50789072+00	.10007163+01	.45344909+00	.94746912+00	.52735442+00
.52185322+00	.10015486+01	.44115593+00	.94161975+00	.54145508+00
.53581573+00	.10026502+01	.42943391+00	.93617933+00	.55586215+00
.54977824+00	.10039926+01	.41823606+00	.93112934+00	.57059617+00
.56374075+00	.10055522+01	.40752022+00	.92645508+00	.58567980+00
.57770325+00	.10073088+01	.39724835+00	.92214544+00	.60113809+00
.58992045+00	.10089940+01	.38859743+00	.91866706+00	.61499286+00
.60213764+00	.10108072+01	.38023888+00	.91545796+00	.62917553+00
.61435483+00	.10127403+01	.37215320+00	.91251635+00	.64370801+00
.62657203+00	.10147861+01	.36432234+00	.90984201+00	.65861414+00
.63878922+00	.10169386+01	.35672949+00	.90743645+00	.67391996+00
.65100642+00	.10191928+01	.34935907+00	.90530282+00	.68965392+00
.66322361+00	.10215447+01	.34219639+00	.90344588+00	.70584708+00
.67369549+00	.10236357+01	.33621188+00	.90207957+00	.72011828+00
.68416737+00	.10257944+01	.33036178+00	.90092693+00	.73477552+00
.69463925+00	.10280195+01	.32463825+00	.89999454+00	.74984444+00
.70511113+00	.10303101+01	.31903382+00	.89929008+00	.76535292+00
.71558301+00	.10326658+01	.31354138+00	.89882288+00	.78133167+00
.72605489+00	.10350865+01	.30815408+00	.89860359+00	.79781426+00
.73652677+00	.10375723+01	.30286519+00	.89864350+00	.81483661+00
.74525334+00	.10396940+01	.29852831+00	.89888626+00	.82946461+00
.75397991+00	.10418618+01	.29425166+00	.89932898+00	.84452217+00
.76270647+00	.10440766+01	.29003160+00	.89998218+00	.86003749+00
.77143304+00	.10463392+01	.28586457+00	.90085756+00	.87604133+00
.78015961+00	.10486508+01	.28174709+00	.90196840+00	.89256753+00
.78888617+00	.10510127+01	.27767563+00	.90332963+00	.90965335+00
.79761274+00	.10534265+01	.27364662+00	.90495802+00	.92733988+00
.80459400+00	.10553962+01	.27045161+00	.90646566+00	.94195193+00
.81157525+00	.10574013+01	.26727960+00	.90816706+00	.95700293+00
.81855650+00	.10594430+01	.26412875+00	.91007426+00	.97252087+00
.82553776+00	.10615228+01	.26099715+00	.91220049+00	.98853629+00
.83251901+00	.10636420+01	.25788284+00	.91456027+00	.10050824+01
.83950026+00	.10658024+01	.25478372+00	.91716996+00	.10221962+01
.84648152+00	.10680057+01	.25169776+00	.92004777+00	.10399182+01
.85171746+00	.10696876+01	.24939057+00	.92239419+00	.10536355+01
.85695340+00	.10713957+01	.24708857+00	.92491222+00	.10677408+01
.86218934+00	.10731312+01	.24479071+00	.92761223+00	.10822565+01
.86742528+00	.10748950+01	.24249598+00	.93050556+00	.10972070+01

TABLE 197. (Concluded)

$M_{\infty} = .16858701+01$			$\Theta_s = .47996553+00$	
$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.87266122+00	.10766885+01	.24020328+00	.93360467+00	.11126190+01
.87789716+00	.10785129+01	.23791140+00	.93692315+00	.11285215+01
.88313310+00	.10803696+01	.23561915+00	.94047607+00	.11449461+01
.88662373+00	.10816262+01	.23409013+00	.94298314+00	.11562032+01
.89011435+00	.10828984+01	.23255996+00	.94560708+00	.11677190+01
.89360498+00	.10841867+01	.23102819+00	.94835369+00	.11795054+01
.89709561+00	.10854917+01	.22949441+00	.95122919+00	.11915753+01
.90058623+00	.10868140+01	.22795812+00	.95424022+00	.12039425+01
.90407686+00	.10881543+01	.22641885+00	.95739400+00	.12166215+01
.90756749+00	.10895132+01	.22487607+00	.96069829+00	.12296283+01
.90931280+00	.10901999+01	.22410318+00	.96240944+00	.12362598+01
.91105811+00	.10908916+01	.22332921+00	.96416140+00	.12429797+01
.91280343+00	.10915882+01	.22255406+00	.96595535+00	.12497904+01
.91454874+00	.10922901+01	.22177768+00	.96779247+00	.12566943+01
.91629405+00	.10929972+01	.22099999+00	.96967404+00	.12636939+01
.91803937+00	.10937097+01	.22022090+00	.97160134+00	.12707917+01
.91978439+00	.10944277+01	.21944038+00	.97357541+00	.12779894+01
.92152932+00	.10951514+01	.21865829+00	.97559793+00	.12852907+01
.92327424+00	.10958808+01	.21787453+00	.97767048+00	.12926988+01
.92501917+00	.10966160+01	.21708903+00	.97979461+00	.13002169+01
.92676409+00	.10973573+01	.21630169+00	.98197196+00	.13078482+01
.92850902+00	.10981048+01	.21551237+00	.98420425+00	.13155961+01
.93025395+00	.10988586+01	.21472100+00	.98649327+00	.13234642+01
.93199887+00	.10996188+01	.21392746+00	.98884086+00	.13314560+01
.93374380+00	.11003857+01	.21313164+00	.99124905+00	.13395756+01
.93548872+00	.11011594+01	.21233345+00	.99371988+00	.13478270+01
.93723365+00	.11019400+01	.21153271+00	.99625555+00	.13562144+01
.93897858+00	.11027278+01	.21072932+00	.99885830+00	.13647423+01
.94072350+00	.11035230+01	.20992317+00	.10015306+01	.13734154+01
.94121914+00	.11037503+01	.20969366+00	.10023026+01	.13759061+01

$$.30125082+01 = \Delta S/R$$

$$.25015002+01 = P_s/P_{\infty}$$

$$.17127033+01 = \rho_s/\rho_{\infty}$$

$$.14605567+01 = T_s/T_{\infty}$$

TABLE 198. CONICAL FLOWFIELD $\theta_s = 27.5$ DEG; $M_\infty = 2.0$

u_s	M_∞	θ_s	θ_w	
.57348540+00	.19999992+01	.47996553+00	.82155880+00	
θ	M_1^*	ψ_1	x	r
.47996553+00	.11469493+01	.47996553+00	.96049106+00	.50000000+00
.49043750+00	.11470712+01	.46969865+00	.96224207+00	.51378939+00
.50090946+00	.11474214+01	.45982080+00	.96418141+00	.52787385+00
.51138134+00	.11479798+01	.45030259+00	.96631913+00	.54227284+00
.52185322+00	.11487288+01	.44111753+00	.96866643+00	.55700761+00
.53232510+00	.11496534+01	.43224145+00	.97123523+00	.57210084+00
.54192433+00	.11506441+01	.42435760+00	.97379576+00	.58627219+00
.55152355+00	.11517626+01	.41669916+00	.97656438+00	.60078575+00
.56112278+00	.11530014+01	.40925159+00	.97955296+00	.61566346+00
.57072200+00	.11543538+01	.40200134+00	.98277456+00	.63092911+00
.58032122+00	.11558141+01	.39493575+00	.98624343+00	.64660844+00
.58904779+00	.11572311+01	.38866270+00	.98962452+00	.66124476+00
.59777436+00	.11587301+01	.38252401+00	.99323569+00	.67626877+00
.60650092+00	.11603083+01	.37651171+00	.99709103+00	.69170517+00
.61522749+00	.11619634+01	.37061806+00	.10012058+01	.70758066+00
.62395406+00	.11636937+01	.36483585+00	.10055968+01	.72392435+00
.63180797+00	.11653140+01	.35972123+00	.10098003+01	.73906016+00
.63966188+00	.11669932+01	.35468622+00	.10142574+01	.75462613+00
.64751579+00	.11687306+01	.34972593+00	.10189845+01	.77064973+00
.65536970+00	.11705262+01	.34483569+00	.10239993+01	.78716069+00
.66322361+00	.11723797+01	.34001088+00	.10293217+01	.80419175+00
.67020486+00	.11740761+01	.33577345+00	.10343283+01	.81979587+00
.67718612+00	.11758188+01	.33158095+00	.10396118+01	.83586650+00
.68416737+00	.11776082+01	.32743024+00	.10451904+01	.85243353+00
.69114862+00	.11794451+01	.32331822+00	.10510844+01	.86952955+00
.69812988+00	.11813301+01	.31924167+00	.10573162+01	.88719033+00
.70423847+00	.11830199+01	.31570134+00	.10630653+01	.90313759+00
.71034707+00	.11847482+01	.31218358+00	.10691101+01	.91957612+00
.71645567+00	.11865160+01	.30868615+00	.10754704+01	.93653735+00
.72256427+00	.11883243+01	.30520685+00	.10821682+01	.95405562+00
.72867286+00	.11901745+01	.30174332+00	.10892276+01	.97216872+00
.73390880+00	.11917946+01	.29878530+00	.10955869+01	.98819912+00
.73914474+00	.11934475+01	.29583555+00	.11022500+01	.10047256+01
.74438068+00	.11951343+01	.29289242+00	.11092375+01	.10217795+01
.74961662+00	.11968561+01	.28995419+00	.11165720+01	.10393952+01
.75485256+00	.11986143+01	.28701909+00	.11242779+01	.10576101+01
.75921585+00	.12001085+01	.28457419+00	.11310030+01	.10732767+01
.76357913+00	.12016300+01	.28212901+00	.11360223+01	.10894141+01
.76794241+00	.12031798+01	.27968235+00	.11453551+01	.11060511+01
.77230570+00	.12047592+01	.27723291+00	.11530219+01	.11232186+01

TABLE 198. (Concluded) 11

$$M_{\infty} = .19999992+01$$

$$\Theta_s = .47996553+00$$

Θ	M_1^*	ψ_1	x	r
.77666898+00	.12063694+01	.27477933+00	.11610458+01	.11409507+01
.78015961+00	.12076806+01	.27281253+00	.11677389+01	.11555680+01
.78365023+00	.12090132+01	.27084139+00	.11746905+01	.11705911+01
.78714057+00	.12103683+01	.26886520+00	.11819155+01	.11860415+01
.79063042+00	.12117471+01	.26688313+00	.11894302+01	.12019426+01
.79412027+00	.12131499+01	.26489405+00	.11972535+01	.12183230+01
.79673766+00	.12142185+01	.26339704+00	.12033356+01	.12309402+01
.79935505+00	.12153017+01	.26189506+00	.12096115+01	.12438565+01
.80197244+00	.12164000+01	.26038765+00	.12160910+01	.12570858+01
.80458983+00	.12175140+01	.25887434+00	.12227845+01	.12706434+01
.80720722+00	.12186442+01	.25735454+00	.12297033+01	.12845454+01
.80895215+00	.12194070+01	.25633746+00	.12344469+01	.12940132+01
.81069707+00	.12201775+01	.25531707+00	.12392999+01	.13036474+01
.81244200+00	.12209560+01	.25429322+00	.12442662+01	.13134536+01
.81418692+00	.12217425+01	.25326567+00	.12493500+01	.13234379+01
.81593185+00	.12225375+01	.25223425+00	.12545560+01	.13336067+01
.81767678+00	.12233410+01	.25119874+00	.12598889+01	.13439669+01
.81942170+00	.12241534+01	.25015891+00	.12653536+01	.13545256+01
.82116663+00	.12249749+01	.24911454+00	.12709555+01	.13652902+01
.82155880+00	.12251608+01	.24887916+00	.12722340+01	.13677387+01

$$.54041684-01 = \Delta S/R$$

$$.29072298+01 = P_s/P_{\infty}$$

$$.18564950+01 = \rho_s/\rho_{\infty}$$

$$.15659778+01 = T_s/T_{\infty}$$

TABLE 199. CONICAL FLOWFIELD $\theta_s = 27.5^\circ$ DEG; $M_\infty = 2.5$

$\frac{u}{s}$	$\frac{M_\infty}{s}$	$\frac{\theta_s}{s}$	$\frac{\theta_w}{s}$	
.65016533+00	.24999952+01	.47996553+00	.72704583+00	
$\frac{\theta}{s}$	$\frac{M_1^*}{s}$	$\frac{\psi_1}{s}$	$\frac{x}{s}$	$\frac{r}{s}$
.47996553+00	.13003063+01	.47996553+00	.96049106+00	.50000000+00
.48694685+00	.13003684+01	.47307586+00	.96441740+00	.51063270+00
.49392816+00	.13005493+01	.46636184+00	.96851277+00	.52149037+00
.50090946+00	.13008419+01	.45981270+00	.97278519+00	.53258428+00
.50789072+00	.13012397+01	.45341838+00	.97724321+00	.54392646+00
.51443564+00	.13017033+01	.44755408+00	.98159950+00	.55479680+00
.52098057+00	.13022501+01	.44181453+00	.98613530+00	.56590811+00
.52752549+00	.13028766+01	.43618698+00	.99085946+00	.57727254+00
.53407042+00	.13035793+01	.43066705+00	.99578149+00	.58890307+00
.54017901+00	.13043013+01	.42560687+00	.10005629+01	.60001053+00
.54628761+00	.13050850+01	.42063048+00	.10055345+01	.61137392+00
.55239621+00	.13059284+01	.41573342+00	.10107059+01	.62300622+00
.55850480+00	.13068299+01	.41091137+00	.10160877+01	.63492128+00
.56417707+00	.13077176+01	.40649731+00	.10212831+01	.64625135+00
.56984934+00	.13086531+01	.40214118+00	.10266790+01	.65785074+00
.57552161+00	.13096354+01	.39783987+00	.10322859+01	.66973306+00
.58119388+00	.13106637+01	.39359035+00	.10381150+01	.68191296+00
.58642982+00	.13116534+01	.38971113+00	.10437034+01	.69343364+00
.59166576+00	.13126814+01	.38587125+00	.10495016+01	.70523449+00
.59690170+00	.13137475+01	.38206847+00	.10555207+01	.71732976+00
.60213764+00	.13148515+01	.37830056+00	.10617728+01	.72973470+00
.60693725+00	.13158967+01	.37487539+00	.10677192+01	.74139190+00
.61173686+00	.13169737+01	.37147602+00	.10738827+01	.75333654+00
.61653648+00	.13180826+01	.36810071+00	.10802746+01	.76550316+00
.62133609+00	.13192234+01	.36474783+00	.10869074+01	.77614738+00
.62569937+00	.13202985+01	.36171781+00	.10931574+01	.78785915+00
.63006265+00	.13213804+01	.35870360+00	.10996283+01	.80186074+00
.63442594+00	.13224995+01	.35570393+00	.11063318+01	.81416675+00
.63878922+00	.13236460+01	.35271751+00	.11132805+01	.82679281+00
.64271618+00	.13247017+01	.35003995+00	.11197549+01	.83844364+00
.64664313+00	.13257802+01	.34737104+00	.11264495+01	.85038036+00
.65057009+00	.13268821+01	.34470976+00	.11333755+01	.86261697+00
.65449704+00	.13280077+01	.34205503+00	.11405453+01	.87516861+00
.65798767+00	.13290285+01	.33969998+00	.11471339+01	.88660314+00
.66147830+00	.13300688+01	.33734852+00	.11539356+01	.89831157+00
.66496892+00	.13311290+01	.33499982+00	.11609612+01	.91030697+00
.66845955+00	.13322096+01	.33265311+00	.11682221+01	.92260327+00
.67151385+00	.13331721+01	.33060066+00	.11747783+01	.93362118+00
.67456815+00	.13341510+01	.32854845+00	.11815331+01	.94489167+00
.67762244+00	.13351466+01	.32649590+00	.11884941+01	.95642632+00

TABLE 199. (Concluded)

$$M_{\infty} = .24999952+01$$

$$\Theta_s = .47996553+00$$

Θ	M_1^*	ψ_1	x	r
.68067674+00	.13361593+01	.32444234+00	.11956776+01	.96823731+00
.68329471+00	.13370414+01	.32266086+00	.12020152+01	.97859085+00
.68591268+00	.13379366+01	.32091769+00	.12085287+01	.98916581+00
.68853065+00	.13388454+01	.31915239+00	.12152259+01	.99997152+00
.69114843+00	.13397684+01	.31738452+00	.12221147+01	.10110171+01
.69332959+00	.13405489+01	.31590886+00	.12280076+01	.10204119+01
.69551075+00	.13413396+01	.31443077+00	.12340456+01	.10299876+01
.69769190+00	.13421406+01	.31295006+00	.12402345+01	.10397511+01
.69987306+00	.13429522+01	.31146631+00	.12465803+01	.10497096+01
.70161799+00	.13436093+01	.31027685+00	.12517744+01	.10578220+01
.70336291+00	.13442735+01	.30908506+00	.12570767+01	.10660682+01
.70510784+00	.13449450+01	.30789071+00	.12624908+01	.10744525+01
.70685276+00	.13456241+01	.30669362+00	.12680207+01	.10829798+01
.70816146+00	.13461382+01	.30579386+00	.12722466+01	.10894716+01
.70947015+00	.13466568+01	.30489240+00	.12765416+01	.10960486+01
.71077885+00	.13471798+01	.30398909+00	.12809078+01	.11027128+01
.71208754+00	.13477074+01	.30308384+00	.12853469+01	.11094664+01
.71339624+00	.13482395+01	.30217660+00	.12898611+01	.11163120+01
.71470493+00	.13487763+01	.30126719+00	.12944525+01	.11232518+01
.71601363+00	.13493179+01	.30035563+00	.12991232+01	.11302885+01
.71732232+00	.13498644+01	.29944171+00	.13038755+01	.11374247+01
.71863101+00	.13504158+01	.29852537+00	.13087119+01	.11446632+01
.71993971+00	.13509723+01	.29760648+00	.13136349+01	.11520068+01
.72124840+00	.13515340+01	.29668491+00	.13186469+01	.11594586+01
.72255710+00	.13521010+01	.29576056+00	.13237508+01	.11670216+01
.72386579+00	.13526734+01	.29483331+00	.13289493+01	.11746992+01
.72517449+00	.13532513+01	.29390302+00	.13342455+01	.11824947+01
.72648318+00	.13538348+01	.29296956+00	.13396425+01	.11904117+01
.72704583+00	.13540875+01	.29256720+00	.13419946+01	.11938537+01

$$.11838251+00 = \Delta S/R$$

$$.37551657+01 = P_s/P_{\infty}$$

$$.21096228+01 = \rho_s/\rho_{\infty}$$

$$.17800177+01 = T_s/T_{\infty}$$

TABLE 200. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 3.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.70015280+00	.29999964+01	.47996553+00	.67705638+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.47996553+00	.14002793+01	.47996553+00	.96049106+00	.50000000+00
.48607418+00	.14003307+01	.47392703+00	.96558657+00	.51017339+00
.49218283+00	.14004808+01	.46802290+00	.97087839+00	.52058039+00
.49829148+00	.14007245+01	.46224476+00	.97637628+00	.53123280+00
.50440009+00	.14010572+01	.45658473+00	.98209056+00	.54214302+00
.51050869+00	.14014748+01	.45103551+00	.98803257+00	.55332467+00
.51661728+00	.14019735+01	.44559025+00	.99421453+00	.56479222+00
.52272588+00	.14025503+01	.44024242+00	.10006496+01	.57656127+00
.52883448+00	.14032022+01	.43498589+00	.10073520+01	.58864857+00
.53407042+00	.14038188+01	.43054848+00	.10133215+01	.59927618+00
.53930636+00	.14044875+01	.42617030+00	.10195094+01	.61016322+00
.54454230+00	.14052069+01	.42184789+00	.10259270+01	.62132286+00
.54977824+00	.14059760+01	.41757796+00	.10325868+01	.63276929+00
.55501418+00	.14067940+01	.41335728+00	.10395018+01	.64451765+00
.56025012+00	.14076600+01	.40918270+00	.10466865+01	.65658434+00
.56548606+00	.14085736+01	.40505113+00	.10541564+01	.66898704+00
.57072200+00	.14095342+01	.40095953+00	.10619283+01	.68174483+00
.57508528+00	.14103705+01	.39757825+00	.10686488+01	.69266248+00
.57944857+00	.14112391+01	.39422090+00	.10756033+01	.70385394+00
.58381185+00	.14121402+01	.39088578+00	.10828042+01	.71533313+00
.58817513+00	.14130736+01	.38757112+00	.10902647+01	.72711486+00
.59253842+00	.14140396+01	.38427521+00	.10979993+01	.73921522+00
.59690170+00	.14150384+01	.38099634+00	.11060237+01	.75165144+00
.60126498+00	.14160701+01	.37773267+00	.11143547+01	.76444223+00
.60562827+00	.14171354+01	.37448240+00	.11230106+01	.77760778+00
.60911889+00	.14180119+01	.37189063+00	.11301828+01	.78842473+00
.61260952+00	.14189104+01	.36930527+00	.11375868+01	.79950763+00
.61610015+00	.14198312+01	.36672540+00	.11452346+01	.81086943+00
.61959077+00	.14207747+01	.36414991+00	.11531389+01	.82252406+00
.62308140+00	.14217413+01	.36157780+00	.11613134+01	.83448647+00
.62657203+00	.14227314+01	.35900798+00	.11697736+01	.84677278+00
.63006265+00	.14237455+01	.35643931+00	.11785350+01	.85940035+00
.63355328+00	.14247844+01	.35387062+00	.11876153+01	.87238786+00
.63617125+00	.14255800+01	.35194339+00	.11946461+01	.88237692+00
.63878922+00	.14263902+01	.35001492+00	.12018755+01	.89258911+00
.64140719+00	.14272153+01	.34808464+00	.12093128+01	.90303419+00
.64402497+00	.14280559+01	.34615190+00	.12169671+01	.91372184+00
.64664236+00	.14289126+01	.34421605+00	.12248484+01	.92466233+00
.64925975+00	.14297854+01	.34227660+00	.12329691+01	.93586919+00
.65187714+00	.14306745+01	.34033286+00	.12413413+01	.94735516+00

TABLE 200. (Concluded)

$$M_{\infty} = .29999964+01$$

$$\Theta_s = .47996553+00$$

$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.65449452+00	.14315806+01	.33838411+00	.12499780+01	.95913401+00
.65623945+00	.14321942+01	.33708181+00	.12558896+01	.96715648+00
.65798438+00	.14328158+01	.33577676+00	.12619294+01	.97532026+00
.65972930+00	.14334454+01	.33446866+00	.12681020+01	.98363028+00
.66147423+00	.14340832+01	.33315733+00	.12744124+01	.99209157+00
.66321915+00	.14347295+01	.33184247+00	.12808657+01	.10007096+01
.66496408+00	.14353844+01	.33052383+00	.12874673+01	.10094901+01
.66670901+00	.14360482+01	.32920113+00	.12942231+01	.10184390+01
.66845393+00	.14367210+01	.32787410+00	.13011392+01	.10275626+01
.66932639+00	.14370609+01	.32720881+00	.13046593+01	.10321921+01
.67019886+00	.14374031+01	.32654238+00	.13082220+01	.10368679+01
.67107132+00	.14377477+01	.32587466+00	.13118282+01	.10415908+01
.67194378+00	.14380948+01	.32520568+00	.13154785+01	.10463617+01
.67281625+00	.14384443+01	.32453538+00	.13191741+01	.10511817+01
.67368871+00	.14387962+01	.32386368+00	.13229157+01	.10560516+01
.67456117+00	.14391508+01	.32319058+00	.13267046+01	.10609726+01
.67543364+00	.14395078+01	.32251602+00	.13305416+01	.10659456+01
.67630610+00	.14398675+01	.32183993+00	.13344279+01	.10709719+01
.67705638+00	.14401789+01	.32125733+00	.13378101+01	.10753376+01

$$.21152249+00 = \Delta S/R$$

$$.48058727+01 = P_s/P_{\infty}$$

$$.23567247+01 = \rho_s/\rho_{\infty}$$

$$.20392169+01 = T_s/T_{\infty}$$

TABLE 201. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 4.0$

u_s	M_∞	θ_s	θ_w	
.75852939+00	.40000360+01	.47996553+00	.62715304+00	
θ	M_1^*	ψ_1	x	r
.47996553+00	.15170303+01	.47996553+00	.96049106+00	.50000000+00
.48432885+00	.15170589+01	.47563809+00	.96572370+00	.50809179+00
.48869218+00	.15171429+01	.47137973+00	.97111587+00	.51635145+00
.49305550+00	.15172803+01	.46718660+00	.97667442+00	.52478606+00
.49741882+00	.15174692+01	.46305504+00	.98240674+00	.53340330+00
.50178212+00	.15177079+01	.45898157+00	.98832050+00	.54221113+00
.50614540+00	.15179948+01	.45496289+00	.99442412+00	.55121818+00
.51007236+00	.15182931+01	.45139030+00	.10000871+01	.55950242+00
.51399931+00	.15186284+01	.44785734+00	.10059180+01	.56796255+00
.51792627+00	.15189999+01	.44436183+00	.10119241+01	.57660604+00
.52185322+00	.15194069+01	.44090171+00	.10181135+01	.58544093+00
.52578018+00	.15198487+01	.43747495+00	.10244945+01	.59447573+00
.52970713+00	.15203247+01	.43407959+00	.10310761+01	.60371947+00
.53319776+00	.15207762+01	.43108627+00	.10371026+01	.61211937+00
.53668839+00	.15212541+01	.42811490+00	.10433024+01	.62069920+00
.54017901+00	.15217582+01	.42516416+00	.10496832+01	.62946666+00
.54366964+00	.15222882+01	.42223273+00	.10562532+01	.63842988+00
.54716027+00	.15228440+01	.41931934+00	.10630210+01	.64759752+00
.55065089+00	.15234255+01	.41642268+00	.10699962+01	.65697888+00
.55370519+00	.15239553+01	.41390082+00	.10762773+01	.66537056+00
.55675949+00	.15245048+01	.41138994+00	.10827318+01	.67394038+00
.55981379+00	.15250739+01	.40888915+00	.10893673+01	.68269577+00
.56286809+00	.15256627+01	.40639760+00	.10961920+01	.69164472+00
.56592239+00	.15262713+01	.40391438+00	.11032143+01	.70079555+00
.56897669+00	.15268998+01	.40143862+00	.11104437+01	.71015731+00
.57159466+00	.15274545+01	.39932178+00	.11168123+01	.71835676+00
.57421263+00	.15280240+01	.39720917+00	.11233468+01	.72672448+00
.57683060+00	.15286085+01	.39510021+00	.11300540+01	.73526732+00
.57944857+00	.15292080+01	.39299423+00	.11369415+01	.74399245+00
.58206654+00	.15298229+01	.39089069+00	.11440172+01	.75290748+00
.58468451+00	.15304532+01	.38879896+00	.11512893+01	.76202047+00
.58686615+00	.15309905+01	.38703834+00	.11575041+01	.76977204+00
.58904779+00	.15315388+01	.38528816+00	.11638711+01	.77767237+00
.59122943+00	.15320982+01	.38353795+00	.11703901+01	.78572700+00
.59341107+00	.15326691+01	.38178734+00	.11770694+01	.79394184+00
.59559271+00	.15332515+01	.38003591+00	.11839155+01	.80232313+00
.59777436+00	.15338456+01	.37828320+00	.11909353+01	.81087739+00
.59995194+00	.15343298+01	.37687967+00	.11966805+01	.81784925+00
.60126440+00	.15348221+01	.37547480+00	.12025448+01	.82493921+00
.60300933+00	.15353222+01	.37406829+00	.12085331+01	.83215209+00

TABLE 201. (Concluded)

$M_{\infty} = .40000360+01$		$\Theta_s = .47996553+00$		
Θ	M_1^*	ψ_1	x	r
.60475425+00	.15358304+01	.37265994+00	.12146498+01	.83949193+00
.60649918+00	.15363467+01	.37124951+00	.12208995+01	.84696318+00
.60824411+00	.15368713+01	.36983670+00	.12272871+01	.85457036+00
.60955280+00	.15372703+01	.36877535+00	.12321714+01	.86036786+00
.61086150+00	.15376741+01	.36771239+00	.12371384+01	.86624670+00
.61217019+00	.15380928+01	.36664770+00	.12421904+01	.87220906+00
.61347888+00	.15384964+01	.36558111+00	.12473301+01	.87825731+00
.61478758+00	.15389151+01	.36451254+00	.12525598+01	.88439376+00
.61609627+00	.15393390+01	.36344180+00	.12578824+01	.89062098+00
.61696874+00	.15396244+01	.36272673+00	.12614837+01	.89482421+00
.61784120+00	.15399122+01	.36201061+00	.12651283+01	.89906967+00
.61871366+00	.15402024+01	.36129336+00	.12688172+01	.90335829+00
.61958613+00	.15404949+01	.36057495+00	.12725513+01	.90769092+00
.62045859+00	.15407900+01	.35985537+00	.12763315+01	.91206846+00
.62133105+00	.15410874+01	.35913455+00	.12801587+01	.91649168+00
.62220351+00	.15413873+01	.35841242+00	.12840340+01	.92096161+00
.62307598+00	.15416898+01	.35768894+00	.12879585+01	.92547920+00
.62394844+00	.15419946+01	.35696410+00	.12919330+01	.93004543+00
.62482090+00	.15423024+01	.35623780+00	.12959589+01	.93466128+00
.62569337+00	.15426127+01	.35551000+00	.13000371+01	.93932787+00
.62656583+00	.15429256+01	.35478064+00	.13041690+01	.94404624+00
.62715304+00	.15431377+01	.35428888+00	.13069807+01	.94725163+00

$$.46007788+00 = \Delta S/R$$

$$.74874889+01 = P_s/P_{\infty}$$

$$.27839736+01 = \rho_s/\rho_{\infty}$$

$$.26894971+01 = T_s/T_{\infty}$$

TABLE 202. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 5.0$

$\frac{u}{s}$	$\frac{M}{\infty}$	$\frac{\theta}{s}$	$\frac{\theta}{w}$	
.78937729+00	.49999993+01	.47996553+00	.60373574+00	
$\frac{\theta}{s}$	$\frac{M}{1}$	$\frac{\psi}{1}$	$\frac{x}{s}$	$\frac{r}{s}$
.47996553+00	.15787250+01	.47996553+00	.96049106+00	.50000000+00
.48389252+00	.15787491+01	.47606759+00	.96611428+00	.50775918+00
.48781951+00	.15788201+01	.47222551+00	.97190438+00	.51568328+00
.49174650+00	.15789366+01	.46843606+00	.97786867+00	.52377933+00
.49567349+00	.15790970+01	.46469617+00	.98401479+00	.53205478+00
.49960048+00	.15793000+01	.46100293+00	.99035105+00	.54051760+00
.50352743+00	.15795445+01	.45735350+00	.99688611+00	.54917610+00
.50701806+00	.15797958+01	.45414419+00	.10028697+01	.55704427+00
.51050869+00	.15800784+01	.45096555+00	.10090250+01	.56508099+00
.51399931+00	.15803918+01	.44781581+00	.10153594+01	.57329340+00
.51748994+00	.15807353+01	.44469327+00	.10218811+01	.58168913+00
.52098057+00	.15811086+01	.44159620+00	.10285985+01	.59027626+00
.52447119+00	.15815113+01	.43852296+00	.10355210+01	.59906345+00
.52752549+00	.15818875+01	.43585213+00	.10417539+01	.60692350+00
.53057979+00	.15822858+01	.43319722+00	.10481582+01	.61495031+00
.53363409+00	.15827060+01	.43055713+00	.10547412+01	.62315072+00
.53668839+00	.15831480+01	.42793081+00	.10615110+01	.63153217+00
.53974269+00	.15836118+01	.42531719+00	.10684760+01	.64010250+00
.54279698+00	.15840973+01	.42271520+00	.10756452+01	.64887004+00
.54584149+00	.15845307+01	.42049337+00	.10819599+01	.65664869+00
.54888629+00	.15849801+01	.41827862+00	.10884381+01	.66438476+00
.55193089+00	.15854456+01	.41607026+00	.10950866+01	.67238442+00
.55497586+00	.15859271+01	.41386760+00	.11019127+01	.68055438+00
.55802083+00	.15864248+01	.41166994+00	.11089242+01	.68890175+00
.56106580+00	.15869389+01	.40947656+00	.11161291+01	.69743401+00
.56411077+00	.15873797+01	.40765148+00	.11222874+01	.70469119+00
.56715574+00	.15878321+01	.40582844+00	.11285915+01	.71208727+00
.57020071+00	.15882961+01	.40400070+00	.11350472+01	.71962735+00
.57324568+00	.15887718+01	.40218671+00	.11416605+01	.72731689+00
.57629065+00	.15892593+01	.40036712+00	.11484376+01	.73516163+00
.57933562+00	.15897589+01	.39854773+00	.11553853+01	.74316770+00
.58238059+00	.15901673+01	.39709206+00	.11610712+01	.74969306+00
.58542556+00	.15905836+01	.39563597+00	.11668748+01	.75632927+00
.58847053+00	.15910078+01	.39417919+00	.11728801+01	.76307998+00
.59151550+00	.15914401+01	.39272144+00	.11788851+01	.76994905+00
.59456047+00	.15918813+01	.39126226+00	.11850318+01	.77693898+00
.59760544+00	.15923308+01	.38980156+00	.11913475+01	.78405550+00
.60065041+00	.15926735+01	.38870488+00	.11961760+01	.78947864+00
.60369538+00	.15930209+01	.38760705+00	.12010855+01	.79497745+00
.60674035+00	.15933732+01	.38650790+00	.12060784+01	.80055398+00

TABLE 202. (Concluded)

$M_{\infty} = .49999993+01$		$\Theta_s = .47996553+00$		
$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.58730054+00	.15937304+01	.38540741+00	.12111571+01	.80621038+00
.58860923+00	.15940927+01	.38430531+00	.12163240+01	.81194887+00
.58991793+00	.15944600+01	.38320153+00	.12215817+01	.81777174+00
.59079039+00	.15947077+01	.38246465+00	.12251387+01	.82170174+00
.59166285+00	.15949577+01	.38172693+00	.12287382+01	.82567105+00
.59253532+00	.15952100+01	.38098830+00	.12323808+01	.82968042+00
.59340778+00	.15954647+01	.38024871+00	.12360677+01	.83373066+00
.59428024+00	.15957218+01	.37950814+00	.12397996+01	.83782258+00
.59515271+00	.15959813+01	.37876648+00	.12435775+01	.84195697+00
.59558894+00	.15961120+01	.37839526+00	.12454840+01	.84404036+00
.59602517+00	.15962432+01	.37802375+00	.12474024+01	.84613470+00
.59646140+00	.15963751+01	.37765196+00	.12493327+01	.84824007+00
.59689763+00	.15965076+01	.37727986+00	.12512752+01	.85035665+00
.59733386+00	.15966407+01	.37690745+00	.12532300+01	.85248453+00
.59777009+00	.15967745+01	.37653477+00	.12551971+01	.85462376+00
.59820633+00	.15969089+01	.37616176+00	.12571767+01	.85677453+00
.59864256+00	.15970439+01	.37578841+00	.12591690+01	.85893695+00
.59907879+00	.15971795+01	.37541477+00	.12611741+01	.86111112+00
.59951502+00	.15973158+01	.37504078+00	.12631922+01	.86329719+00
.59995125+00	.15974527+01	.37466643+00	.12652232+01	.86549524+00
.60038748+00	.15975903+01	.37429177+00	.12672676+01	.86770546+00
.60082372+00	.15977286+01	.37391674+00	.12693252+01	.86992789+00
.60125995+00	.15978674+01	.37354133+00	.12713964+01	.87216274+00
.60169618+00	.15980070+01	.37316557+00	.12734813+01	.87441019+00
.60213241+00	.15981472+01	.37278941+00	.12755800+01	.87667024+00
.60256864+00	.15982881+01	.37241286+00	.12776926+01	.87894306+00
.60300487+00	.15984297+01	.37203596+00	.12798194+01	.88122887+00
.60344110+00	.15985719+01	.37165862+00	.12819606+01	.88352779+00
.60373574+00	.15986684+01	.37140356+00	.12834149+01	.88508800+00

$$.75244606+00 = \Delta S/R$$

$$.10935377+02 = P_s/P_{\infty}$$

$$.31086412+01 = \rho_s/\rho_{\infty}$$

$$.35177354+01 = T_s/T_{\infty}$$

TABLE 203. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 6.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.80737145+00	.59999807+01	.47996553+00	.59087580+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.47996553+00	.16147126+01	.47996553+00	.96049106+00	.50000000+00
.48345619+00	.16147321+01	.47649784+00	.96602431+00	.50717408+00
.48694685+00	.16147897+01	.47307435+00	.97171115+00	.51449455+00
.49043750+00	.16148843+01	.46969259+00	.97755794+00	.52196731+00
.49392816+00	.16150148+01	.46635017+00	.98357142+00	.52959862+00
.49741882+00	.16151802+01	.46304481+00	.98975872+00	.53739510+00
.50090946+00	.16153798+01	.45977432+00	.99612744+00	.54536379+00
.50440009+00	.16156128+01	.45653656+00	.10026858+01	.55351219+00
.50745439+00	.16158434+01	.45372879+00	.10085867+01	.56079573+00
.51050869+00	.16160987+01	.45094319+00	.10146456+01	.56822868+00
.51356298+00	.16163783+01	.44817849+00	.10208692+01	.57581701+00
.51661728+00	.16166818+01	.44543337+00	.10272642+01	.58356705+00
.51967158+00	.16170090+01	.44270658+00	.10338384+01	.59148564+00
.52272588+00	.16173597+01	.43999691+00	.10405996+01	.59957993+00
.52578018+00	.16177337+01	.43730309+00	.10475561+01	.60785750+00
.52839815+00	.16180726+01	.43500581+00	.10536811+01	.61510451+00
.53101612+00	.16184285+01	.43271852+00	.10599623+01	.62249757+00
.53363409+00	.16188013+01	.43044046+00	.10664061+01	.63004240+00
.53625206+00	.16191909+01	.42817086+00	.10730193+01	.63774510+00
.53887003+00	.16195975+01	.42590895+00	.10798090+01	.64561206+00
.54148800+00	.16200209+01	.42365395+00	.10867829+01	.65365004+00
.54410597+00	.16204613+01	.42140508+00	.10939492+01	.66186634+00
.54628761+00	.16208413+01	.41953513+00	.11000743+01	.66885499+00
.54846925+00	.16212332+01	.41766841+00	.11063443+01	.67597752+00
.55065089+00	.16216370+01	.41580446+00	.11127650+01	.68323898+00
.55283254+00	.16220529+01	.41394278+00	.11193421+01	.69064450+00
.55501418+00	.16224809+01	.41208290+00	.11260821+01	.69819967+00
.55719582+00	.16229212+01	.41022430+00	.11329916+01	.70591038+00
.55937746+00	.16233739+01	.40836646+00	.11400778+01	.71378288+00
.56112278+00	.16237450+01	.40688040+00	.11458788+01	.72020172+00
.56286809+00	.16241243+01	.40539422+00	.11518018+01	.72673185+00
.56461340+00	.16245117+01	.40390762+00	.11578510+01	.73337703+00
.56635872+00	.16249075+01	.40242033+00	.11640309+01	.74014115+00
.56810393+00	.16253118+01	.40093199+00	.11703460+01	.74702805+00
.56984886+00	.16257252+01	.39944219+00	.11768005+01	.75404117+00
.57159378+00	.16261471+01	.39795076+00	.11834006+01	.76118625+00
.57290248+00	.16264693+01	.39683093+00	.11884497+01	.76663459+00
.57421117+00	.16267965+01	.39570988+00	.11935864+01	.77216200+00
.57551987+00	.16271288+01	.39458741+00	.11988132+01	.77777074+00
.57682856+00	.16274661+01	.39346340+00	.12041329+01	.78346398+00

TABLE 203. (concluded)

$M_\infty = .59999807+01$			$\Theta_s = .47996553+00$	
Θ	M_1^*	ψ_1	x	r
.57813726+00	.16278087+01	.39233772+00	.12095481+01	.78924149+00
.57944595+00	.16281566+01	.39121017+00	.12150619+01	.79510839+00
.58075465+00	.16285097+01	.39008059+00	.12206774+01	.80106654+00
.58162711+00	.16287482+01	.38932633+00	.12244791+01	.80509070+00
.58249957+00	.16289891+01	.38857108+00	.12283284+01	.80915742+00
.58337203+00	.16292324+01	.38781474+00	.12322262+01	.81326755+00
.58424450+00	.16294783+01	.38705721+00	.12361737+01	.81742214+00
.58511696+00	.16297266+01	.38629857+00	.12401719+01	.82162193+00
.58598942+00	.16299776+01	.38553865+00	.12442220+01	.82586803+00
.58686189+00	.16302310+01	.38477744+00	.12483250+01	.83016136+00
.58729812+00	.16303588+01	.38439635+00	.12503968+01	.83232609+00
.58773435+00	.16304971+01	.38401491+00	.12524823+01	.83450297+00
.58817058+00	.16306162+01	.38363309+00	.12545816+01	.83669216+00
.58860681+00	.16307458+01	.38325090+00	.12566950+01	.83889385+00
.58904304+00	.16308762+01	.38286839+00	.12588225+01	.84110814+00
.58947928+00	.16310073+01	.38248545+00	.12609644+01	.84333517+00
.58991551+00	.16311390+01	.38210217+00	.12631208+01	.84557507+00
.59035174+00	.16312714+01	.38171845+00	.12652919+01	.84782802+00
.59078797+00	.16314045+01	.38133433+00	.12674778+01	.85009410+00
.59087580+00	.16314313+01	.38125695+00	.12679197+01	.85055200+00

$$.10566502+01 = \Delta S/R$$

$$.15148710+02 = P_s/P_\infty$$

$$.33469312+01 = \rho_s/\rho_\infty$$

$$.45261493+01 = T_s/T_\infty$$

TABLE 204. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 8.0$

u_s	M_∞	θ_s	θ_w	
.82623535+00	.79999273+01	.47996553+00	.57796730+00	
θ	M_1^*	ψ_1	x	r
.47996553+00	.16524397+01	.47996553+00	.96049106+00	.50000000+00
.48345619+00	.16524597+01	.47649780+00	.96666376+00	.50750980+00
.48694685+00	.16525186+01	.47307399+00	.97301892+00	.51518697+00
.49043750+00	.16526154+01	.46969137+00	.97956464+00	.52303878+00
.49392816+00	.16527490+01	.46634730+00	.98630963+00	.53107299+00
.49741882+00	.16529185+01	.46303928+00	.99326321+00	.53929789+00
.50090946+00	.16531230+01	.45976486+00	.10004354+01	.54772232+00
.50396376+00	.16533302+01	.45692546+00	.10068987+01	.55526475+00
.50701806+00	.16535632+01	.45410848+00	.10135452+01	.56297398+00
.51007234+00	.16538217+01	.45131242+00	.10203832+01	.57085717+00
.51312666+00	.16541053+01	.44853581+00	.10274214+01	.57892199+00
.51618095+00	.16544139+01	.44577723+00	.10346690+01	.58717655+00
.51923525+00	.16547471+01	.44303523+00	.10421360+01	.59562953+00
.52185322+00	.16550522+01	.44069708+00	.10487191+01	.60303991+00
.52447119+00	.16553752+01	.43836920+00	.10554784+01	.61060911+00
.52708916+00	.16557162+01	.43605070+00	.10624216+01	.61834376+00
.52970713+00	.16560749+01	.43374068+00	.10695568+01	.62625082+00
.53232510+00	.16564515+01	.43143826+00	.10768925+01	.63433770+00
.53494307+00	.16568460+01	.42914253+00	.10844382+01	.64261248+00
.53712472+00	.16571884+01	.42723389+00	.10908939+01	.64965776+00
.53930636+00	.16575433+01	.42532872+00	.10975082+01	.65684450+00
.54148800+00	.16579109+01	.42342650+00	.11042876+01	.66417830+00
.54366964+00	.16582911+01	.42152666+00	.11112390+01	.67166489+00
.54585128+00	.16586840+01	.41962866+00	.11183697+01	.67931053+00
.54803292+00	.16590899+01	.41773190+00	.11256873+01	.68712172+00
.54977824+00	.16594239+01	.41621500+00	.11316813+01	.69349445+00
.55152355+00	.16597664+01	.41469821+00	.11378048+01	.69998141+00
.55326886+00	.16601173+01	.41318122+00	.11440623+01	.70658645+00
.55501418+00	.16604768+01	.41166370+00	.11504587+01	.71331375+00
.55675949+00	.16608450+01	.41014531+00	.11569992+01	.72016768+00
.55850451+00	.16612225+01	.40862552+00	.11636882+01	.72715174+00
.55981321+00	.16615116+01	.40748465+00	.11688064+01	.73247852+00
.56112190+00	.16618057+01	.40634277+00	.11740146+01	.73788402+00
.56243060+00	.16621050+01	.40519970+00	.11793154+01	.74337046+00
.56373929+00	.16624095+01	.40405528+00	.11847117+01	.74894019+00
.56504799+00	.16627192+01	.40290935+00	.11902064+01	.75459570+00
.56635668+00	.16630342+01	.40176174+00	.11958026+01	.76033952+00
.56722914+00	.16632473+01	.40099565+00	.11995913+01	.76421908+00
.56810161+00	.16634627+01	.40022867+00	.12034274+01	.76813987+00
.56897407+00	.16636806+01	.39944076+00	.12073121+01	.77210275+00

TABLE 204. (Concluded)

$M_{\infty} = .79999273+01$			$\Theta_s = .47996553+00$	
Θ	M_1^*	ψ_1	x	r
.56984653+00	.16639010+01	.39869186+00	.12112464+01	.77610857+00
.57071900+00	.16641238+01	.39792192+00	.12152313+01	.78015831+00
.57159146+00	.16643492+01	.39715087+00	.12192680+01	.78425284+00
.57202769+00	.16644628+01	.39676492+00	.12213061+01	.78631723+00
.57246392+00	.16645771+01	.39637868+00	.12233576+01	.78839310+00
.57290015+00	.16646920+01	.39599212+00	.12254226+01	.79048067+00
.57333639+00	.16648076+01	.39560523+00	.12275012+01	.79258005+00
.57377262+00	.16649238+01	.39521804+00	.12295938+01	.79469144+00
.57420885+00	.16650407+01	.39483052+00	.12317003+01	.79681481+00
.57464508+00	.16651582+01	.39444265+00	.12338210+01	.79895043+00
.57508131+00	.16652765+01	.39405443+00	.12359560+01	.80109838+00
.57551754+00	.16653953+01	.39366587+00	.12381055+01	.80325884+00
.57595377+00	.16655149+01	.39327693+00	.12402696+01	.80543186+00
.57639001+00	.16656351+01	.39288764+00	.12424484+01	.80761761+00
.57682624+00	.16657560+01	.39249798+00	.12446424+01	.80981631+00
.57726247+00	.16658776+01	.39210790+00	.12468515+01	.81202801+00
.57769870+00	.16659999+01	.39171743+00	.12490759+01	.81425291+00
.57796730+00	.16660755+01	.39147682+00	.12504533+01	.81562951+00

$$.16424890+01 = \Delta S/R$$

$$.25871673+02 = P_s/P_{\infty}$$

$$.36503932+01 = \rho_s/\rho_{\infty}$$

$$.70873663+01 = T_s/T_{\infty}$$

TABLE 205. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 10.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.83532216+00	.10000006+02	.47996553+00	.57194500+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.47996553+00	.16706130+01	.47996553+00	.96049106+00	.50000000+00
.48301986+00	.16706285+01	.47692879+00	.96617878+00	.50671753+00
.48607418+00	.16706743+01	.47392583+00	.97201790+00	.51357142+00
.48912851+00	.16707496+01	.47095473+00	.97801451+00	.52056703+00
.49218283+00	.16708537+01	.46801358+00	.98417498+00	.52770996+00
.49523716+00	.16709859+01	.46510059+00	.99050642+00	.53500638+00
.49829148+00	.16711457+01	.46221401+00	.99701621+00	.54246269+00
.50134579+00	.16713326+01	.45935213+00	.10037120+01	.55008554+00
.50396376+00	.16715139+01	.45691749+00	.10096056+01	.55675749+00
.50658173+00	.16717145+01	.45449878+00	.10156477+01	.56356205+00
.50919970+00	.16719342+01	.45209499+00	.10218442+01	.57050430+00
.51181767+00	.16721727+01	.44970516+00	.10282014+01	.57758961+00
.51443564+00	.16724299+01	.44732830+00	.10347260+01	.58482371+00
.51705361+00	.16727057+01	.44496345+00	.10414249+01	.59221261+00
.51967158+00	.16729999+01	.44260966+00	.10483057+01	.59976274+00
.52185322+00	.16732592+01	.44065592+00	.10541844+01	.60618258+00
.52403487+00	.16735311+01	.43870865+00	.10601999+01	.61272327+00
.52621651+00	.16738158+01	.43676729+00	.10663574+01	.61938927+00
.52839815+00	.16741133+01	.43483128+00	.10726623+01	.62618511+00
.53057979+00	.16744234+01	.43290006+00	.10791203+01	.63311569+00
.53276143+00	.16747464+01	.43097308+00	.10857377+01	.64018618+00
.53494307+00	.16750821+01	.42904974+00	.10925210+01	.64740209+00
.53668839+00	.16753600+01	.42751332+00	.10980715+01	.65328337+00
.53843370+00	.16756462+01	.42597856+00	.11037363+01	.65926448+00
.54017901+00	.16759407+01	.42444516+00	.11095193+01	.66534877+00
.54192433+00	.16762435+01	.42291281+00	.11154245+01	.67153955+00
.54366964+00	.16765549+01	.42138119+00	.11214562+01	.67784044+00
.54541495+00	.16768747+01	.41984998+00	.11276189+01	.68425527+00
.54716027+00	.16772031+01	.41831885+00	.11339175+01	.69078799+00
.54846925+00	.16774551+01	.41717035+00	.11387336+01	.69576742+00
.54977824+00	.16777121+01	.41602156+00	.11436312+01	.70081736+00
.55108722+00	.16779740+01	.41487232+00	.11486126+01	.70593975+00
.55239611+00	.16782410+01	.41372242+00	.11536798+01	.71113615+00
.55370481+00	.16785135+01	.41257163+00	.11588349+01	.71640828+00
.55501350+00	.16787911+01	.41141993+00	.11640815+01	.72175913+00
.55632219+00	.16790739+01	.41026717+00	.11694220+01	.72719089+00
.55719466+00	.16792653+01	.40949798+00	.11730362+01	.73085824+00
.55806712+00	.16794590+01	.40872817+00	.11766941+01	.73456325+00
.55893958+00	.16796551+01	.40795776+00	.11803971+01	.73830684+00
.55981205+00	.16798536+01	.40718663+00	.11841458+01	.74208961+00

TABLE 205. (Concluded)

$$M_{\infty} = .10000004+02$$

$$\Theta_s = .47996553+00$$

Θ	M_1^*	ψ_1	\underline{x}	\underline{r}
.56068451+00	.16800545+01	.40641475+00	.11879413+01	.74591248+00
.56155697+00	.16802578+01	.40564205+00	.11917845+01	.74977621+00
.56242944+00	.16804636+01	.40486849+00	.11956766+01	.75368168+00
.56286567+00	.16805673+01	.40448136+00	.11976413+01	.75565033+00
.56330190+00	.16806718+01	.40409400+00	.11996185+01	.75762969+00
.56373813+00	.16807768+01	.40370638+00	.12016085+01	.75961992+00
.56417436+00	.16808825+01	.40331851+00	.12036114+01	.76162122+00
.56461059+00	.16809888+01	.40293038+00	.12056273+01	.76363353+00
.56504682+00	.16810957+01	.40254199+00	.12076564+01	.76565710+00
.56548306+00	.16812033+01	.40215331+00	.12096988+01	.76769204+00
.56591929+00	.16813115+01	.40176436+00	.12117546+01	.76973839+00
.56635552+00	.16814203+01	.40137511+00	.12138241+01	.77179636+00
.56679175+00	.16815298+01	.40098557+00	.12159073+01	.77386602+00
.56722798+00	.16816400+01	.40059571+00	.12180045+01	.77594750+00
.56766421+00	.16817507+01	.40020554+00	.12201157+01	.77804099+00
.56810044+00	.16818622+01	.39981505+00	.12222411+01	.78014653+00
.56853668+00	.16819743+01	.39942422+00	.12243810+01	.78226435+00
.56897291+00	.16820871+01	.39903305+00	.12265355+01	.78439449+00
.56940914+00	.16822006+01	.39864153+00	.12287046+01	.78653713+00
.56984537+00	.16823147+01	.39824966+00	.12308887+01	.78869245+00
.57028160+00	.16824295+01	.39785741+00	.12330880+01	.79086057+00
.57071783+00	.16825449+01	.39746480+00	.12353025+01	.79304166+00
.57115407+00	.16826611+01	.39707179+00	.12375324+01	.79523581+00
.57159030+00	.16827780+01	.39667841+00	.12397780+01	.79744318+00
.57194500+00	.16828735+01	.39635822+00	.12416156+01	.79924788+00

$$.21685839+01 = \Delta S/R$$

$$.39658131+02 = P_s/P_{\infty}$$

$$.38216179+01 = \rho_s/\rho_{\infty}$$

$$.10377315+02 = T_s/T_{\infty}$$

TABLE 206. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 12.5$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.84126231+00	.12499998+02	.47996553+00	.56807389+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.47996553+00	.16824931+01	.47996553+00	.96049106+00	.50000000+00
.48258353+00	.16825045+01	.47736048+00	.96553259+00	.50584158+00
.48520152+00	.16825385+01	.47478042+00	.97069125+00	.51178741+00
.48781951+00	.16825945+01	.47222407+00	.97597108+00	.51784103+00
.49043750+00	.16826720+01	.46969018+00	.98137653+00	.52400624+00
.49305550+00	.16827707+01	.46717755+00	.98691219+00	.53028702+00
.49567349+00	.16828900+01	.46468501+00	.99258300+00	.53668759+00
.49829148+00	.16830297+01	.46221143+00	.99839403+00	.54321235+00
.50090946+00	.16831894+01	.45975569+00	.10043506+01	.54986586+00
.50352743+00	.16833689+01	.45731670+00	.10104586+01	.55665310+00
.50570907+00	.16835334+01	.45529627+00	.10156688+01	.56241509+00
.50789072+00	.16837113+01	.45328614+00	.10209920+01	.56827672+00
.51007236+00	.16839025+01	.45128573+00	.10264322+01	.57424130+00
.51225400+00	.16841069+01	.44929443+00	.10319936+01	.58031236+00
.51443564+00	.16843245+01	.44731166+00	.10376804+01	.58649353+00
.51661728+00	.16845551+01	.44533686+00	.10434972+01	.59278865+00
.51879892+00	.16847987+01	.44336943+00	.10494489+01	.59920182+00
.52098057+00	.16850553+01	.44140878+00	.10555404+01	.60573724+00
.52316221+00	.16853248+01	.43945435+00	.10617772+01	.61239947+00
.52490752+00	.16855497+01	.43789488+00	.10668750+01	.61782367+00
.52665284+00	.16857829+01	.43633872+00	.10720725+01	.62333463+00
.52839815+00	.16860244+01	.43478556+00	.10773726+01	.62893496+00
.53014346+00	.16862743+01	.43323509+00	.10827792+01	.63462745+00
.53188878+00	.16865324+01	.43168702+00	.10882953+01	.64041498+00
.53363409+00	.16867990+01	.43014102+00	.10939247+01	.64630064+00
.53537940+00	.16870739+01	.42859678+00	.10996713+01	.65228766+00
.53712472+00	.16873573+01	.42705399+00	.11055391+01	.65837941+00
.53887003+00	.16876491+01	.42551231+00	.11115325+01	.66457935+00
.54017901+00	.16878737+01	.42435659+00	.11161125+01	.66930253+00
.54148800+00	.16881030+01	.42320117+00	.11207678+01	.67409036+00
.54279698+00	.16883373+01	.42204590+00	.11255001+01	.67894442+00
.54410597+00	.16885764+01	.42089064+00	.11303117+01	.68386653+00
.54541495+00	.16888205+01	.41973525+00	.11352047+01	.68885846+00
.54672394+00	.16890696+01	.41857956+00	.11401818+01	.69392226+00
.54803292+00	.16893237+01	.41742343+00	.11452451+01	.69905986+00
.54934181+00	.16895830+01	.41626661+00	.11503947+01	.70427281+00
.55065051+00	.16898479+01	.41510889+00	.11556389+01	.70956300+00
.55152297+00	.16900273+01	.41433657+00	.11591859+01	.71313418+00
.55239543+00	.16902090+01	.41356378+00	.11627756+01	.71674177+00
.55326790+00	.16903931+01	.41279048+00	.11664089+01	.72038442+00

TABLE 206. (Concluded)

$M_{\infty} = .12499998+02$		$\Theta_s = .47996553+00$		
Θ	M_1^*	ψ_1	x	r
.55414036+00	.16905795+01	.41201660+00	.11700866+01	.72406881+00
.55501282+00	.16907683+01	.41124211+00	.11738097+01	.72778975+00
.55588529+00	.16909595+01	.41046694+00	.11775791+01	.73155002+00
.55675775+00	.16911531+01	.40969104+00	.11813959+01	.73535044+00
.55763021+00	.16913491+01	.40891436+00	.11852610+01	.73919173+00
.55850267+00	.16915476+01	.40813685+00	.11891754+01	.74307482+00
.55893891+00	.16916477+01	.40774775+00	.11911515+01	.74503232+00
.55937514+00	.16917485+01	.40735844+00	.11931404+01	.74700060+00
.55981137+00	.16918499+01	.40696888+00	.11951421+01	.74897975+00
.56024760+00	.16919519+01	.40657907+00	.11971568+01	.75096989+00
.56068383+00	.16920546+01	.40618901+00	.11991848+01	.75297118+00
.56112006+00	.16921579+01	.40579867+00	.12012260+01	.75498368+00
.56155629+00	.16922619+01	.40540808+00	.12032807+01	.75700758+00
.56199253+00	.16923664+01	.40501720+00	.12053491+01	.75904294+00
.56242876+00	.16924717+01	.40462604+00	.12074312+01	.76108990+00
.56286499+00	.16925775+01	.40423459+00	.12095273+01	.76314861+00
.56330122+00	.16926841+01	.40384282+00	.12116374+01	.76521918+00
.56373745+00	.16927912+01	.40345074+00	.12137618+01	.76730174+00
.56417368+00	.16928991+01	.40305835+00	.12159007+01	.76939644+00
.56460992+00	.16930076+01	.40266563+00	.12180541+01	.77150342+00
.56504615+00	.16931167+01	.40227257+00	.12202223+01	.77362280+00
.56548238+00	.16932266+01	.40187917+00	.12224054+01	.77575470+00
.56591861+00	.16933371+01	.40148541+00	.12246038+01	.77789935+00
.56635484+00	.16934483+01	.40109129+00	.12268173+01	.78005679+00
.56679107+00	.16935602+01	.40069678+00	.12290464+01	.78222721+00
.56722730+00	.16936727+01	.40030190+00	.12312911+01	.78441075+00
.56766354+00	.16937860+01	.39990664+00	.12335517+01	.78660762+00
.56807389+00	.16938931+01	.39953446+00	.12356928+01	.78888642+00

$$.27403346+01 = \Delta S/R$$

$$.61197833+02 = P_s/P_{\infty}$$

$$.39442191+01 = \rho_s/\rho_{\infty}$$

$$.15515830+02 = T_s/T_{\infty}$$

TABLE 207. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 15.0$

u_s	M_∞	θ_s	θ_w	
.84453111+00	.14999960+02	.47996553+00	.56596518+00	
θ	M_1^*	ψ_1	x	r
.47996553+00	.16890305+01	.47996553+00	.96049106+00	.50000000+00
.48258353+00	.16890421+01	.47736048+00	.96563271+00	.50589403+00
.48520152+00	.16890762+01	.47478038+00	.97089526+00	.51189498+00
.48781951+00	.16891324+01	.47222395+00	.97628310+00	.51800658+00
.49043750+00	.16892103+01	.46968989+00	.98180081+00	.52423279+00
.49305550+00	.16893093+01	.46717699+00	.98745321+00	.53057772+00
.49567349+00	.16894291+01	.46468405+00	.99324538+00	.53704574+00
.49829148+00	.16895694+01	.46220991+00	.99918280+00	.54364151+00
.50090946+00	.16897298+01	.45975345+00	.10052710+01	.55036975+00
.50352743+00	.16899101+01	.45731354+00	.10115163+01	.55723576+00
.50570907+00	.16900753+01	.45529217+00	.10168453+01	.56306659+00
.50789072+00	.16902540+01	.45328092+00	.10222917+01	.56900012+00
.51007236+00	.16904461+01	.45127921+00	.10278596+01	.57503987+00
.51225400+00	.16906515+01	.44928642+00	.10335535+01	.58118953+00
.51443564+00	.16908701+01	.44730195+00	.10393778+01	.58745292+00
.51661728+00	.16911018+01	.44532520+00	.10453375+01	.59383410+00
.51879892+00	.16913467+01	.44335558+00	.10514376+01	.60033733+00
.52098057+00	.16916046+01	.44139250+00	.10576836+01	.60696716+00
.52316221+00	.16918757+01	.43943535+00	.10640811+01	.61372826+00
.52490752+00	.16921019+01	.43787350+00	.10693121+01	.61923499+00
.52665284+00	.16923364+01	.43631475+00	.10746473+01	.62483168+00
.52839815+00	.16925794+01	.43475878+00	.10800898+01	.63052106+00
.53014346+00	.16928307+01	.43320530+00	.10856434+01	.63630619+00
.53188878+00	.16930905+01	.43165397+00	.10913118+01	.64219007+00
.53363409+00	.16933588+01	.43010448+00	.10970988+01	.64817598+00
.53537940+00	.16936356+01	.42855649+00	.11030087+01	.65426735+00
.53712472+00	.16939209+01	.42700968+00	.11090459+01	.66046776+00
.53887003+00	.16942148+01	.42546371+00	.11152147+01	.66678093+00
.54017901+00	.16944410+01	.42430457+00	.11199307+01	.67159218+00
.54148800+00	.16946721+01	.42314555+00	.11247256+01	.67647084+00
.54279698+00	.16949081+01	.42198652+00	.11296017+01	.68141869+00
.54410597+00	.16951492+01	.42082731+00	.11345613+01	.68643761+00
.54541495+00	.16953952+01	.41966776+00	.11396066+01	.69152959+00
.54672394+00	.16956463+01	.41850772+00	.11447404+01	.69669668+00
.54803273+00	.16959029+01	.41734688+00	.11499644+01	.70194024+00
.54934143+00	.16961649+01	.41618515+00	.11552818+01	.70726287+00
.55065012+00	.16964320+01	.41502242+00	.11606957+01	.71266723+00
.55152258+00	.16966131+01	.41424663+00	.11643601+01	.71631678+00
.55239505+00	.16967965+01	.41347026+00	.11680697+01	.72000448+00
.55326751+00	.16969823+01	.41269326+00	.11718254+01	.72373106+00

TABLE 207. (Concluded)

$M_{\infty} = .14999960+02$			$\Theta_s = .47996553+00$	
Θ	M_1^*	ψ_1	x	r
.55413997+00	.16971705+01	.41191559+00	.11756281+01	.72749738+00
.55501243+00	.16973611+01	.41113717+00	.11794790+01	.73130424+00
.55588490+00	.16975541+01	.41035795+00	.11833789+01	.73515244+00
.55675736+00	.16977497+01	.40957788+00	.11873291+01	.73904285+00
.55762982+00	.16979477+01	.40879692+00	.11913305+01	.74297635+00
.55850229+00	.16981483+01	.40801499+00	.11953844+01	.74695393+00
.55893852+00	.16982495+01	.40762364+00	.11974313+01	.74895953+00
.55937475+00	.16983513+01	.40723202+00	.11994919+01	.75097651+00
.55981098+00	.16984538+01	.40684012+00	.12015661+01	.75300492+00
.56024721+00	.16985570+01	.40644795+00	.12036542+01	.75504501+00
.56068344+00	.16986607+01	.40605548+00	.12057563+01	.75709681+00
.56111968+00	.16987652+01	.40566272+00	.12078726+01	.75916050+00
.56155591+00	.16988703+01	.40526964+00	.12100033+01	.76123619+00
.56199214+00	.16989760+01	.40487624+00	.12121484+01	.76332402+00
.56242837+00	.16990825+01	.40448252+00	.12143082+01	.76542410+00
.56286460+00	.16991896+01	.40408847+00	.12164830+01	.76753665+00
.56330083+00	.16992973+01	.40369407+00	.12186727+01	.76966170+00
.56373706+00	.16994058+01	.40329933+00	.12208777+01	.77179950+00
.56417330+00	.16995148+01	.40290421+00	.12230981+01	.77395017+00
.56460953+00	.16996246+01	.40250874+00	.12253340+01	.77611379+00
.56504576+00	.16997351+01	.40211289+00	.12275858+01	.77829056+00
.56548199+00	.16998463+01	.40171663+00	.12298534+01	.78048062+00
.56591822+00	.16999582+01	.40132000+00	.12321373+01	.78268417+00
.56596518+00	.16999703+01	.40127726+00	.12323841+01	.78292217+00

$$.32320940+01 = \Delta S/R$$

$$.87523451+02 = P_s/P_{\infty}$$

$$.40157093+01 = \rho_s/\rho_{\infty}$$

$$.21795266+02 = T_s/T_{\infty}$$

TABLE 208. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 17.5$

u_s	M_∞	θ_s	θ_w	
.84651682+00	.17499999+02	.47996553+00	.56469164+00	
θ	M_1^*	ψ_1	x	r
.47996553+00	.16930019+01	.47996553+00	.96049106+00	.50000000+00
.48258353+00	.16930134+01	.47736047+00	.96569490+00	.50592661+00
.48520152+00	.16930476+01	.47478036+00	.97102210+00	.51196185+00
.48781951+00	.16931040+01	.47222387+00	.97647698+00	.51810946+00
.49043750+00	.16931820+01	.46968971+00	.98206446+00	.52437356+00
.49305550+00	.16932812+01	.46717663+00	.98778941+00	.53075837+00
.49567349+00	.16934014+01	.46468345+00	.99365716+00	.53726839+00
.49829148+00	.16935420+01	.46220897+00	.99967329+00	.54390837+00
.50090946+00	.16937029+01	.45975205+00	.10058436+01	.55068325+00
.50352743+00	.16938836+01	.45731156+00	.10121745+01	.55759834+00
.50570907+00	.16940492+01	.45528958+00	.10175776+01	.56347210+00
.50789072+00	.16942284+01	.45327764+00	.10231009+01	.56945053+00
.51007236+00	.16944211+01	.45127511+00	.10287487+01	.57553726+00
.51225400+00	.16946271+01	.44928138+00	.10345254+01	.58173607+00
.51443564+00	.16948463+01	.44729583+00	.10404357+01	.58805086+00
.51661728+00	.16950788+01	.44531786+00	.10464848+01	.59448585+00
.51879892+00	.16953244+01	.44334688+00	.10526778+01	.60104545+00
.52098057+00	.16955832+01	.44138225+00	.10590205+01	.60773437+00
.52316221+00	.16958551+01	.43942339+00	.10655187+01	.61455742+00
.52490752+00	.16960821+01	.43786003+00	.10708333+01	.62011588+00
.52665284+00	.16963175+01	.43629964+00	.10762549+01	.62576638+00
.52839815+00	.16965614+01	.43474191+00	.10817848+01	.63151169+00
.53014346+00	.16968137+01	.43318652+00	.10874328+01	.63735496+00
.53188878+00	.16970745+01	.43163314+00	.10931969+01	.64329939+00
.53363409+00	.16973438+01	.43008143+00	.10990832+01	.64934836+00
.53537940+00	.16976217+01	.42853108+00	.11050959+01	.65550538+00
.53712472+00	.16979082+01	.42698173+00	.11112397+01	.66177423+00
.53887003+00	.16982035+01	.42543303+00	.11175192+01	.66815875+00
.54017901+00	.16984306+01	.42427173+00	.11223209+01	.67302552+00
.54148800+00	.16986628+01	.42311044+00	.11272041+01	.67796149+00
.54279698+00	.16988999+01	.42194902+00	.11321710+01	.68296854+00
.54410597+00	.16991421+01	.42078730+00	.11372240+01	.68804862+00
.54541495+00	.16993894+01	.41962513+00	.11423656+01	.69320379+00
.54672384+00	.16996420+01	.41846225+00	.11475982+01	.69843581+00
.54803254+00	.16999001+01	.41729844+00	.11529242+01	.70374654+00
.54934123+00	.17001634+01	.41613367+00	.11583470+01	.70913908+00
.55064993+00	.17004321+01	.41496776+00	.11638697+01	.71461578+00
.55152239+00	.17006141+01	.41418976+00	.11676086+01	.71831492+00
.55239485+00	.17007986+01	.41341113+00	.11713942+01	.72205339+00
.55326732+00	.17009855+01	.41263178+00	.11752276+01	.72583202+00

TABLE 208. (Concluded)

$$M_{\infty} = .17499999+02$$

$$\Theta_s = .47996553+00$$

Θ	M_1^*	ψ_1	x	r
.55413978+00	.17011748+01	.41185168+00	.11791098+01	.72965161+00
.55501224+00	.17013665+01	.41107077+00	.11830418+01	.73351298+00
.55588470+00	.17015608+01	.41028899+00	.11870248+01	.73741706+00
.55675717+00	.17017575+01	.40950627+00	.11910599+01	.74136472+00
.55762963+00	.17019568+01	.40872257+00	.11951481+01	.74535690+00
.55850209+00	.17021587+01	.40793782+00	.11992909+01	.74939465+00
.55893832+00	.17022605+01	.40754502+00	.12013830+01	.75143088+00
.55937456+00	.17023631+01	.40715194+00	.12034893+01	.75347886+00
.55981079+00	.17024663+01	.40675855+00	.12056098+01	.75553875+00
.56024702+00	.17025701+01	.40636487+00	.12077447+01	.75761062+00
.56068325+00	.17026746+01	.40597086+00	.12098941+01	.75969462+00
.56111948+00	.17027798+01	.40557654+00	.12120563+01	.76179092+00
.56155571+00	.17028856+01	.40518188+00	.12142374+01	.76389964+00
.56199194+00	.17029921+01	.40478688+00	.12164316+01	.76602096+00
.56242818+00	.17030993+01	.40439153+00	.12186411+01	.76815493+00
.56286441+00	.17032071+01	.40399582+00	.12208661+01	.77030183+00
.56330064+00	.17033157+01	.40359974+00	.12231067+01	.77246168+00
.56373687+00	.17034249+01	.40320329+00	.12253632+01	.77463475+00
.56417310+00	.17035348+01	.40280643+00	.12276356+01	.77682107+00
.56460933+00	.17036454+01	.40240919+00	.12299244+01	.77902094+00
.56469164+00	.17036663+01	.40233419+00	.12303580+01	.77943747+00

$$.36604947+01 = \Delta S/R$$

$$.11863621+03 = P_s/P_{\infty}$$

$$.40606291+01 = \rho_s/\rho_{\infty}$$

$$.29216214+02 = T_s/T_{\infty}$$

TABLE 209. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 20.0$

$\underline{u_s}$	$\underline{M_\infty}$	$\underline{\theta_s}$	$\underline{\theta_w}$	
.84781139+00	.19999977+02	.47996553+00	.56386419+00	
$\underline{\theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.47996553+00	.16955910+01	.47996553+00	.96049106+00	.50000000+00
.48258353+00	.16956026+01	.47736047+00	.96573600+00	.50594815+00
.48520152+00	.16956368+01	.47478035+00	.97110584+00	.51200601+00
.48781951+00	.16956933+01	.47222382+00	.97660513+00	.51817745+00
.49043750+00	.16957714+01	.46968959+00	.98223875+00	.52446663+00
.49305550+00	.16958708+01	.46717640+00	.98801175+00	.53087783+00
.49567349+00	.16959911+01	.46468304+00	.99392950+00	.53741565+00
.49829148+00	.16961320+01	.46220833+00	.99999779+00	.54408493+00
.50090946+00	.16962931+01	.45975111+00	.10062225+01	.55089065+00
.50352743+00	.16964742+01	.45731023+00	.10126101+01	.55783830+00
.50570907+00	.16966401+01	.45528786+00	.10180624+01	.56374051+00
.50789072+00	.16968196+01	.45327545+00	.10236367+01	.56974873+00
.51007236+00	.16970126+01	.45127238+00	.10293374+01	.57586662+00
.51225400+00	.16972190+01	.44927802+00	.10351691+01	.58209801+00
.51443564+00	.16974387+01	.44729175+00	.10411365+01	.58844692+00
.51661728+00	.16976716+01	.44531298+00	.10472449+01	.59491766+00
.51879892+00	.16979178+01	.44334107+00	.10534997+01	.60151473+00
.52098057+00	.16981771+01	.44137541+00	.10599067+01	.60824292+00
.52316221+00	.16984496+01	.43941540+00	.10664718+01	.61510714+00
.52490752+00	.16986771+01	.43785103+00	.10718420+01	.62070003+00
.52665284+00	.16989131+01	.43628956+00	.10773211+01	.62638631+00
.52839815+00	.16991575+01	.43473065+00	.10829125+01	.63216889+00
.53014346+00	.16994104+01	.43317398+00	.10886202+01	.63805091+00
.53188878+00	.16996719+01	.43161923+00	.10944482+01	.64403571+00
.53363409+00	.16999419+01	.43006606+00	.11004006+01	.65012668+00
.53537940+00	.17002206+01	.42851412+00	.11064819+01	.65632749+00
.53712472+00	.17005080+01	.42696307+00	.11126967+01	.66264195+00
.53887003+00	.17008041+01	.42541256+00	.11190501+01	.66907407+00
.54017901+00	.17010320+01	.42424981+00	.11239090+01	.67397788+00
.54148600+00	.17012648+01	.42308699+00	.11288511+01	.67895213+00
.54279698+00	.17015027+01	.42192397+00	.11338787+01	.68399871+00
.54410597+00	.17017456+01	.42076057+00	.11389942+01	.68911965+00
.54541495+00	.17019937+01	.41959663+00	.11442002+01	.69431705+00
.54672365+00	.17022475+01	.41843177+00	.11494985+01	.69959204+00
.54803234+00	.17025065+01	.41726603+00	.11548929+01	.70494796+00
.54934104+00	.17027708+01	.41609922+00	.11603863+01	.71038724+00
.55064973+00	.17030404+01	.41493118+00	.11659819+01	.71591235+00
.55152220+00	.17032231+01	.41415170+00	.11697707+01	.71964477+00
.55239466+00	.17034082+01	.41337153+00	.11736073+01	.72341724+00
.55326712+00	.17035958+01	.41259062+00	.11774928+01	.72723068+00

TABLE 209. (Concluded)

$M_{\infty} = .19999977+02$			$\Theta_s = .47996553+00$	
$\underline{\Theta}$	$\underline{M_1^*}$	$\underline{\psi_1}$	\underline{x}	\underline{r}
.55413958+00	.17037859+01	.41180890+00	.11814282+01	.73108594+00
.55501205+00	.17039784+01	.41102631+00	.11854146+01	.73498382+00
.55588451+00	.17041734+01	.41024280+00	.11894533+01	.73892535+00
.55675697+00	.17043710+01	.40945829+00	.11935452+01	.74291140+00
.55762944+00	.17045711+01	.40867276+00	.11976918+01	.74694298+00
.55850190+00	.17047738+01	.40788611+00	.12018942+01	.75102104+00
.55893813+00	.17048762+01	.40749235+00	.12040166+01	.75307778+00
.55937436+00	.17049792+01	.40709828+00	.12061536+01	.75514659+00
.55981059+00	.17050828+01	.40670390+00	.12083052+01	.75722755+00
.56024683+00	.17051871+01	.40630919+00	.12104715+01	.75932079+00
.56068306+00	.17052921+01	.40591416+00	.12126527+01	.76142644+00
.56111929+00	.17053977+01	.40551878+00	.12148492+01	.76354469+00
.56155552+00	.17055040+01	.40512305+00	.12170609+01	.76567563+00
.56199175+00	.17056111+01	.40472697+00	.12192881+01	.76781945+00
.56242798+00	.17057187+01	.40433053+00	.12215310+01	.76997622+00
.56286421+00	.17058271+01	.40393370+00	.12237898+01	.77214619+00
.56330045+00	.17059361+01	.40353649+00	.12260646+01	.77432945+00
.56373668+00	.17060459+01	.40313888+00	.12283558+01	.77652626+00
.56386419+00	.17060781+01	.40302258+00	.12290286+01	.77717096+00

$$.40386545+01 = \Delta S/R$$

$$.15453491+03 = P_s/P_{\infty}$$

$$.40905576+01 = \rho_s/\rho_{\infty}$$

$$.37778447+02 = T_s/T_{\infty}$$

TABLE 210. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 22.5$

u_s	M_∞	θ_s	θ_w	
.84870174+00	.22499918+02	.47996553+00	.56329654+00	
θ	M_1^*	ψ_1	x	r
.47996553+00	.16973716+01	.47996553+00	.96049106+00	.50000000+00
.48258353+00	.16973832+01	.47736047+00	.96576449+00	.50596307+00
.48520152+00	.16974175+01	.47478034+00	.97116398+00	.51203666+00
.48781951+00	.16974740+01	.47222378+00	.97669412+00	.51822466+00
.49043750+00	.16975522+01	.46968950+00	.98235981+00	.52453127+00
.49305550+00	.16976517+01	.46717624+00	.98816620+00	.53096082+00
.49567349+00	.16977722+01	.46468277+00	.99411876+00	.53751797+00
.49829148+00	.16979132+01	.46220789+00	.10002232+01	.54420759+00
.50090946+00	.16980745+01	.45975045+00	.10064856+01	.55103474+00
.50352745+00	.16982242+01	.45771507+00	.10118298+01	.55683314+00
.50527275+00	.16983876+01	.45569037+00	.10172921+01	.56273417+00
.50745439+00	.16985646+01	.45367570+00	.10228769+01	.56874143+00
.50963603+00	.16987552+01	.45167045+00	.10285886+01	.57485856+00
.51181767+00	.16989591+01	.44967397+00	.10344316+01	.58108941+00
.51399931+00	.16991765+01	.44768564+00	.10404110+01	.58743807+00
.51618095+00	.16994071+01	.44570486+00	.10465320+01	.59390880+00
.51836260+00	.16996509+01	.44373101+00	.10527998+01	.60050610+00
.52010791+00	.16998555+01	.44215649+00	.10579237+01	.60587832+00
.52185322+00	.17000686+01	.44058568+00	.10631484+01	.61133714+00
.52359854+00	.17002901+01	.43901827+00	.10684772+01	.61688526+00
.52534385+00	.17005201+01	.43745395+00	.10739134+01	.62252545+00
.52708916+00	.17007586+01	.43589237+00	.10794607+01	.62826069+00
.52883448+00	.17010055+01	.43433321+00	.10851227+01	.63409408+00
.53057979+00	.17012610+01	.43277615+00	.10909035+01	.64002880+00
.53232510+00	.17015251+01	.43122084+00	.10968071+01	.64606827+00
.53363409+00	.17017208+01	.43005531+00	.11013180+01	.65066868+00
.53494307+00	.17019374+01	.42889044+00	.11059023+01	.65533158+00
.53625206+00	.17021509+01	.42772607+00	.11105622+01	.66005862+00
.53756104+00	.17023692+01	.42656205+00	.11152995+01	.66485138+00
.53887003+00	.17025926+01	.42539824+00	.11201166+01	.66971175+00
.54017901+00	.17028209+01	.42423447+00	.11250156+01	.67464144+00
.54148800+00	.17030542+01	.42307060+00	.11299989+01	.67964247+00
.54279698+00	.17032926+01	.42190646+00	.11350689+01	.68471668+00
.54366964+00	.17034544+01	.42113014+00	.11384983+01	.68881411+00
.54454230+00	.17036185+01	.42035357+00	.11419683+01	.69159987+00
.54541486+00	.17037850+01	.41957664+00	.11454790+01	.69509288+00
.54628732+00	.17039540+01	.41879930+00	.11490315+01	.69862095+00
.54715978+00	.17041253+01	.41802156+00	.11526269+01	.70218506+00
.54803225+00	.17042990+01	.41724338+00	.11562660+01	.70578599+00
.54890471+00	.17044750+01	.41646469+00	.11599499+01	.70942445+00

TABLE 210. (Concluded)

$$M_{\infty} = .22499918+02$$

$$\Theta_s = .47996553+00$$

$\underline{\Theta}$	$\underline{M^*}$ $\underline{1}$	$\underline{\psi}$ $\underline{1}$	\underline{x}	\underline{r}
.54977717+00	.17046534+01	.41568545+00	.11636795+01	.71310122+00
.55021340+00	.17047435+01	.41529561+00	.11655617+01	.71495420+00
.55064964+00	.17048342+01	.41490560+00	.11674556+01	.71681705+00
.55108587+00	.17049255+01	.41451544+00	.11693614+01	.71868982+00
.55152210+00	.17050174+01	.41412508+00	.11712794+01	.72057273+00
.55195833+00	.17051099+01	.41373456+00	.11732094+01	.72246575+00
.55239456+00	.17052030+01	.41334385+00	.11751517+01	.72436903+00
.55283079+00	.17052968+01	.41295294+00	.11771064+01	.72628271+00
.55326702+00	.17053911+01	.41256183+00	.11790737+01	.72820692+00
.55370326+00	.17054861+01	.41217051+00	.11810537+01	.73014171+00
.55413949+00	.17055817+01	.41177897+00	.11830465+01	.73208718+00
.55457572+00	.17056779+01	.41138721+00	.11850522+01	.73404349+00
.55501195+00	.17057748+01	.41099521+00	.11870711+01	.73601076+00
.55544818+00	.17058722+01	.41060297+00	.11891033+01	.73798908+00
.55588441+00	.17059703+01	.41021048+00	.11911488+01	.73997853+00
.55632064+00	.17060691+01	.40981773+00	.11932079+01	.74197932+00
.55675688+00	.17061685+01	.40942473+00	.11952808+01	.74399151+00
.55719311+00	.17062685+01	.40903147+00	.11973675+01	.74601525+00
.55762934+00	.17063692+01	.40863791+00	.11994682+01	.74805067+00
.55806557+00	.17064705+01	.40824407+00	.12015831+01	.75009789+00
.55850180+00	.17065725+01	.40784994+00	.12037124+01	.75215705+00
.55893803+00	.17066751+01	.40745548+00	.12058562+01	.75422823+00
.55937427+00	.17067784+01	.40706072+00	.12080148+01	.75631168+00
.55981050+00	.17068824+01	.40666564+00	.12101882+01	.75840744+00
.56024673+00	.17069870+01	.40627021+00	.12123765+01	.76051567+00
.56068296+00	.17070923+01	.40587445+00	.12145802+01	.76263653+00
.56111919+00	.17071983+01	.40547834+00	.12167993+01	.76477018+00
.56155542+00	.17073049+01	.40508187+00	.12190339+01	.76691670+00
.56199165+00	.17074123+01	.40468504+00	.12212843+01	.76907631+00
.56242789+00	.17075203+01	.40428782+00	.12235507+01	.77124913+00
.56286412+00	.17076290+01	.40389020+00	.12258332+01	.77343532+00
.56329654+00	.17077375+01	.40349567+00	.12281120+01	.77561579+00

$$.43764642+01 = \Delta S/R$$

$$.19521914+03 = P_s/P_{\infty}$$

$$.41114350+01 = \rho_s/\rho_{\infty}$$

$$.47481996+02 = T_s/T_{\infty}$$

TABLE 211. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 25.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.84934004+00	.25000034+02	.47996553+00	.56289036+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.47996553+00	.16986482+01	.47996553+00	.96049106+00	.50000000+00
.48258353+00	.16986598+01	.47736047+00	.96578515+00	.50597389+00
.48520152+00	.16986941+01	.47478033+00	.97120603+00	.51205883+00
.48781951+00	.16987507+01	.47222376+00	.97675850+00	.51825882+00
.49043750+00	.16988290+01	.46968944+00	.98244739+00	.52457803+00
.49305550+00	.16989285+01	.46717612+00	.98827787+00	.53102083+00
.49567349+00	.16990491+01	.46468256+00	.99425553+00	.53759193+00
.49829148+00	.16991902+01	.46220757+00	.10003862+01	.54429627+00
.50090946+00	.16993516+01	.45974997+00	.10066760+01	.55113897+00
.50309110+00	.16995014+01	.45771444+00	.10120438+01	.55695091+00
.50527275+00	.16996650+01	.45568954+00	.10175307+01	.56286616+00
.50745439+00	.16998422+01	.45367465+00	.10231410+01	.56888827+00
.50963603+00	.17000329+01	.45166912+00	.10288791+01	.57502094+00
.51181767+00	.17002370+01	.44967233+00	.10347496+01	.58126805+00
.51399931+00	.17004546+01	.44768366+00	.10407575+01	.58763370+00
.51618095+00	.17006854+01	.44570248+00	.10469081+01	.59412225+00
.51836260+00	.17009295+01	.44372816+00	.10532068+01	.60073827+00
.52010791+00	.17011343+01	.44215325+00	.10583563+01	.60612608+00
.52185322+00	.17013476+01	.44058200+00	.10636075+01	.61160114+00
.52359854+00	.17015694+01	.43901411+00	.10689437+01	.61716612+00
.52534385+00	.17017996+01	.43744926+00	.10744282+01	.62282386+00
.52708916+00	.17020384+01	.43588711+00	.10800049+01	.62857743+00
.52883448+00	.17022856+01	.43432735+00	.10856972+01	.63442979+00
.53057979+00	.17025415+01	.43276963+00	.10915094+01	.64038429+00
.53232510+00	.17028059+01	.43121362+00	.10974455+01	.64644434+00
.53363409+00	.17030098+01	.43004753+00	.11019817+01	.65106079+00
.53494307+00	.17032187+01	.42888205+00	.11065920+01	.65574024+00
.53625206+00	.17034325+01	.42771704+00	.11112785+01	.66048432+00
.53756104+00	.17036512+01	.42655237+00	.11160432+01	.66529473+00
.53887003+00	.17038748+01	.42538786+00	.11208885+01	.67017327+00
.54017901+00	.17041035+01	.42422336+00	.11258165+01	.67512175+00
.54148800+00	.17043372+01	.42305871+00	.11308297+01	.68014217+00
.54279698+00	.17045759+01	.42189376+00	.11359305+01	.68523645+00
.54366964+00	.17047380+01	.42111687+00	.11393810+01	.68867471+00
.54454230+00	.17049023+01	.42033972+00	.11428724+01	.69214742+00
.54541486+00	.17050691+01	.41956218+00	.11464050+01	.69565480+00
.54628732+00	.17052384+01	.41878422+00	.11499799+01	.69919755+00
.54715978+00	.17054100+01	.41800584+00	.11535980+01	.70277669+00
.54803225+00	.17055839+01	.41722699+00	.11572606+01	.70639304+00
.54890471+00	.17057603+01	.41644762+00	.11609683+01	.71004727+00

TABLE 211. (Concluded)

$$M_{\infty} = .25000034+02$$

$$\Theta_s = .47996553+00$$

Θ	M_1^*	ψ_1	x	r
.54977717+00	.17059390+01	.41566768+00	.11647221+01	.71374016+00
.55021340+00	.17060292+01	.41527747+00	.11666166+01	.71560133+00
.55064964+00	.17061201+01	.41488710+00	.11685231+01	.71747246+00
.55108587+00	.17062116+01	.41449656+00	.11704416+01	.71935365+00
.55152210+00	.17063036+01	.41410583+00	.11723723+01	.72124508+00
.55195833+00	.17063963+01	.41371492+00	.11743152+01	.72314671+00
.55239456+00	.17064896+01	.41332382+00	.11762706+01	.72505873+00
.55283079+00	.17065835+01	.41293251+00	.11782385+01	.72698122+00
.55326702+00	.17066781+01	.41254099+00	.11802191+01	.72891435+00
.55370326+00	.17067733+01	.41214927+00	.11822126+01	.73085818+00
.55413949+00	.17068690+01	.41175731+00	.11842190+01	.73281277+00
.55457572+00	.17069654+01	.41136512+00	.11862386+01	.73477831+00
.55501195+00	.17070625+01	.41097269+00	.11882714+01	.73675497+00
.55544818+00	.17071601+01	.41058001+00	.11903177+01	.73874276+00
.55588441+00	.17072585+01	.41018708+00	.11923775+01	.74074185+00
.55632064+00	.17073574+01	.40979388+00	.11944511+01	.74275234+00
.55675688+00	.17074570+01	.40940042+00	.11965386+01	.74477440+00
.55719311+00	.17075572+01	.40900669+00	.11986400+01	.74680811+00
.55762934+00	.17076582+01	.40861267+00	.12007557+01	.74885364+00
.55806557+00	.17077597+01	.40821835+00	.12028859+01	.75091112+00
.55850180+00	.17078619+01	.40782372+00	.12050305+01	.75298063+00
.55893803+00	.17079648+01	.40742878+00	.12071897+01	.75506231+00
.55937427+00	.17080683+01	.40703351+00	.12093639+01	.75715635+00
.55981050+00	.17081725+01	.40663791+00	.12115532+01	.75926291+00
.56024673+00	.17082774+01	.40624198+00	.12137577+01	.76138205+00
.56068296+00	.17083829+01	.40584569+00	.12159776+01	.76351395+00
.56111919+00	.17084891+01	.40544904+00	.12182131+01	.76565879+00
.56155542+00	.17085960+01	.40505203+00	.12204644+01	.76781669+00
.56199165+00	.17087036+01	.40465463+00	.12227317+01	.76998778+00
.56242789+00	.17088119+01	.40425685+00	.12250151+01	.77217223+00
.56286412+00	.17089209+01	.40385868+00	.12273150+01	.77437025+00
.56289036+00	.17089275+01	.40383470+00	.12274538+01	.77450285+00

$$.46813717+01 = \Delta S/R$$

$$.24069276+03 = P_s/P_{\infty}$$

$$.41265514+01 = \rho_s/\rho_{\infty}$$

$$.58327823+02 = T_s/T_{\infty}$$

TABLE 212. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 27.5$

u_s	M_1^*	θ_s	θ_w	
.84981294+00	.27499936+02	.47996553+00	.56258965+00	
θ	M_1^*	ψ_1	x	r
.47996553+00	.16995940+01	.47996553+00	.96049106+00	.50000000+00
.48258353+00	.16996056+01	.47736047+00	.96580044+00	.50598191+00
.48520152+00	.16996399+01	.47478032+00	.97123726+00	.51207530+00
.48781951+00	.16996965+01	.47222374+00	.97680622+00	.51828414+00
.49043750+00	.16997748+01	.46968940+00	.98251224+00	.52461266+00
.49305550+00	.16998745+01	.46717603+00	.98836067+00	.53106532+00
.49567349+00	.16999951+01	.46468241+00	.99435699+00	.53764679+00
.49829148+00	.17001363+01	.46220734+00	.10005072+01	.54436210+00
.50090946+00	.17002978+01	.45974962+00	.10068173+01	.55121633+00
.50309110+00	.17004477+01	.45771396+00	.10122028+01	.55703840+00
.50527275+00	.17006114+01	.45568892+00	.10177080+01	.56296421+00
.50745439+00	.17007887+01	.45367386+00	.10233372+01	.56899737+00
.50963603+00	.17009795+01	.45166814+00	.10290950+01	.57514161+00
.51181767+00	.17011838+01	.44967112+00	.10349860+01	.58140082+00
.51399931+00	.17014015+01	.44768218+00	.10410152+01	.58777919+00
.51618095+00	.17016325+01	.44570070+00	.10471880+01	.59428108+00
.51836260+00	.17018768+01	.44372604+00	.10535097+01	.60091103+00
.52010791+00	.17020818+01	.44215082+00	.10586783+01	.60631050+00
.52185322+00	.17022952+01	.44057925+00	.10639493+01	.61179767+00
.52359854+00	.17025172+01	.43901100+00	.10693258+01	.61737522+00
.52534385+00	.17027476+01	.43744576+00	.10748115+01	.62304606+00
.52708916+00	.17029865+01	.43588319+00	.10804100+01	.62881324+00
.52883448+00	.17032340+01	.43432297+00	.10861250+01	.63467979+00
.53057979+00	.17034901+01	.43276476+00	.10919607+01	.64064907+00
.53232510+00	.17037547+01	.43120822+00	.10979211+01	.64672448+00
.53363409+00	.17039589+01	.43004170+00	.11024761+01	.65135291+00
.53494307+00	.17041680+01	.42887578+00	.11071057+01	.65604469+00
.53625206+00	.17043820+01	.42771030+00	.11118121+01	.66080151+00
.53756104+00	.17046009+01	.42654513+00	.11165974+01	.66562507+00
.53887003+00	.17048248+01	.42538010+00	.11214637+01	.67051719+00
.54017901+00	.17050537+01	.42421504+00	.11264134+01	.67547968+00
.54148800+00	.17052877+01	.42304981+00	.11314489+01	.68051460+00
.54279698+00	.17055267+01	.42188425+00	.11365727+01	.68562387+00
.54366264+00	.17056889+01	.42110695+00	.11400389+01	.68907237+00
.54454230+00	.17058534+01	.42032936+00	.11435463+01	.69255557+00
.54541476+00	.17060206+01	.41955131+00	.11470949+01	.69607329+00
.54628722+00	.17061901+01	.41877288+00	.11506864+01	.69962699+00
.54715969+00	.17063619+01	.41799401+00	.11543217+01	.70321741+00
.54803215+00	.17065361+01	.41721467+00	.11580017+01	.70684525+00
.54890461+00	.17067127+01	.41643479+00	.11617272+01	.71051125+00

TABLE 212. (Concluded)

$$M_{\infty} = .27499936+02$$

$$\Theta_s = .47996553+00$$

Θ	M_1^*	ψ_1	x	r
.54977708+00	.17068916+01	.41565431+00	.11654992+01	.71421618+00
.55021331+00	.17069820+01	.41526384+00	.11674030+01	.71608349+00
.55064954+00	.17070730+01	.41487319+00	.11693187+01	.71796083+00
.55108577+00	.17071646+01	.41448236+00	.11712467+01	.71984834+00
.55152200+00	.17072568+01	.41409136+00	.11731869+01	.72174609+00
.55195823+00	.17073496+01	.41370016+00	.11751395+01	.72365418+00
.55239446+00	.17074430+01	.41330876+00	.11771046+01	.72557268+00
.55283070+00	.17075371+01	.41291716+00	.11790824+01	.72750179+00
.55326693+00	.17076318+01	.41252534+00	.11810730+01	.72944158+00
.55370316+00	.17077271+01	.41213331+00	.11830766+01	.73139213+00
.55413939+00	.17078230+01	.41174103+00	.11850933+01	.73335361+00
.55457562+00	.17079196+01	.41134853+00	.11871232+01	.73532611+00
.55501185+00	.17080168+01	.41095578+00	.11891665+01	.73730975+00
.55544809+00	.17081146+01	.41056278+00	.11912233+01	.73930465+00
.55588432+00	.17082130+01	.41016951+00	.11932939+01	.74131094+00
.55632055+00	.17083121+01	.40977698+00	.11953782+01	.74332871+00
.55675678+00	.17084119+01	.40938217+00	.11974767+01	.74535815+00
.55719301+00	.17085122+01	.40898809+00	.11995892+01	.74739935+00
.55762924+00	.17086133+01	.40859371+00	.12017161+01	.74945241+00
.55806547+00	.17087150+01	.40819903+00	.12038575+01	.75151752+00
.55850171+00	.17088174+01	.40780404+00	.12060136+01	.75359480+00
.55893794+00	.17089204+01	.40740873+00	.12081845+01	.75568433+00
.55937417+00	.17090241+01	.40701309+00	.12103704+01	.75778633+00
.55981040+00	.17091285+01	.40661711+00	.12125716+01	.75990094+00
.56024663+00	.17092336+01	.40622079+00	.12147881+01	.76202825+00
.56068286+00	.17093393+01	.40582410+00	.12170202+01	.76416842+00
.56111909+00	.17094457+01	.40542705+00	.12192680+01	.76632165+00
.56155533+00	.17095528+01	.40502963+00	.12215318+01	.76848805+00
.56199156+00	.17096606+01	.40463182+00	.12238117+01	.77066775+00
.56242779+00	.17097691+01	.40423361+00	.12261030+01	.77286091+00
.56286402+00	.17098785+01	.40383575+00	.12284042+01	.77506718+00

$$.49589692+01 = \Delta S/R$$

$$.29094914+03 = P_s/P_{\infty}$$

$$.41378396+01 = \rho_s/\rho_{\infty}$$

$$.70314264+02 = T_s/T_{\infty}$$

TABLE 213. CONICAL FLOWFIELD $\theta_s = 27.5 \text{ DEG}$; $M_\infty = 30.0$

u_s	M_∞	θ_s	θ_w	
.85017319+00	.29999961+02	.47996553+00	.56236093+00	
θ	M_1^*	ψ_1	x	r
.47996553+00	.17003145+01	.47996553+00	.96049106+00	.50000000+00
.48258353+00	.17003261+01	.47736047+00	.96581214+00	.50598804+00
.48520152+00	.17003604+01	.47478032+00	.97126117+00	.51208790+00
.48781951+00	.17004170+01	.47222372+00	.97684284+00	.51830357+00
.49043750+00	.17004954+01	.46968936+00	.98256212+00	.52463929+00
.49305550+00	.17005951+01	.46717596+00	.98842431+00	.53109951+00
.49567349+00	.17007157+01	.46468230+00	.99443501+00	.53768897+00
.49829148+00	.17008570+01	.46220715+00	.10006001+01	.54441264+00
.50090946+00	.17010186+01	.45974935+00	.10069259+01	.55127575+00
.50309110+00	.17011686+01	.45771360+00	.10123248+01	.55710553+00
.50527275+00	.17013323+01	.45568845+00	.10178440+01	.56303945+00
.50745439+00	.17015097+01	.45367326+00	.10234878+01	.56908108+00
.50963603+00	.17017006+01	.45166738+00	.10292606+01	.57523416+00
.51181767+00	.17019051+01	.44967018+00	.10351673+01	.58150265+00
.51399931+00	.17021229+01	.44768104+00	.10412127+01	.58789072+00
.51618095+00	.17023540+01	.44569933+00	.10474024+01	.59440278+00
.51836260+00	.17025984+01	.44372442+00	.10537418+01	.60104341+00
.52010791+00	.17028035+01	.44214896+00	.10589250+01	.60645179+00
.52185322+00	.17030171+01	.44057714+00	.10642111+01	.61194821+00
.52359854+00	.17032392+01	.43900862+00	.10696033+01	.61753541+00
.52534385+00	.17034698+01	.43744308+00	.10751051+01	.62321627+00
.52708916+00	.17037089+01	.43588019+00	.10807204+01	.62899385+00
.52883448+00	.17039565+01	.43431962+00	.10864527+01	.63487127+00
.53057979+00	.17042128+01	.43276103+00	.10923063+01	.64085181+00
.53232510+00	.17044776+01	.43120408+00	.10982854+01	.64693905+00
.53363409+00	.17046819+01	.43003723+00	.11028548+01	.65157663+00
.53494307+00	.17048912+01	.42887097+00	.11074993+01	.65627790+00
.53625206+00	.17051053+01	.42770514+00	.11122210+01	.66104450+00
.53756104+00	.17053244+01	.42653958+00	.11170219+01	.66587812+00
.53887003+00	.17055485+01	.42537415+00	.11219044+01	.67078068+00
.54017901+00	.17057776+01	.42420868+00	.11268708+01	.67575396+00
.54148800+00	.17060118+01	.42304301+00	.11319235+01	.68080000+00
.54279698+00	.17062510+01	.42187697+00	.11370649+01	.68592075+00
.54366965+00	.17064134+01	.42109934+00	.11405431+01	.68937714+00
.54454230+00	.17065780+01	.42032142+00	.11440629+01	.69286841+00
.54541476+00	.17067454+01	.41954302+00	.11476241+01	.69639438+00
.54628722+00	.17069150+01	.41876423+00	.11512284+01	.69995652+00
.54715969+00	.17070870+01	.41798500+00	.11548768+01	.70355557+00
.54803215+00	.17072614+01	.41720528+00	.11585701+01	.70719222+00
.54890461+00	.17074381+01	.41642500+00	.11623093+01	.71086726+00

TABLE 213. (Concluded)

$M_{\infty} = .29999961+02$

$\Theta_s = .47996553+00$

Θ	M_1^*	ψ_1	x	r
.54977708+00	.17076173+01	.41564412+00	.11660953+01	.71458147+00
.55021331+00	.17077077+01	.41525345+00	.11680062+01	.71645350+00
.55064954+00	.17077988+01	.41486258+00	.11699291+01	.71833561+00
.55108577+00	.17078905+01	.41447154+00	.11718643+01	.72022792+00
.55152200+00	.17079828+01	.41408032+00	.11738119+01	.72213057+00
.55195823+00	.17080757+01	.41368890+00	.11757719+01	.72404358+00
.55239446+00	.17081693+01	.41329728+00	.11777445+01	.72596709+00
.55283070+00	.17082634+01	.41290544+00	.11797298+01	.72790126+00
.55326693+00	.17083582+01	.41251339+00	.11817282+01	.72984619+00
.55370316+00	.17084536+01	.41212112+00	.11837395+01	.73180191+00
.55413939+00	.17085496+01	.41172861+00	.11857640+01	.73376864+00
.55457562+00	.17086463+01	.41133586+00	.11878018+01	.73574645+00
.55501185+00	.17087436+01	.41094286+00	.11898531+01	.73773547+00
.55544809+00	.17088415+01	.41054960+00	.11919181+01	.73973584+00
.55588432+00	.17089401+01	.41015609+00	.11939968+01	.74174763+00
.55632055+00	.17090393+01	.40976229+00	.11960895+01	.74377099+00
.55675678+00	.17091392+01	.40936823+00	.11981963+01	.74580607+00
.55719301+00	.17092397+01	.40897387+00	.12003173+01	.74785298+00
.55762924+00	.17093409+01	.40857922+00	.12024528+01	.74991184+00
.55806547+00	.17094427+01	.40818427+00	.12046029+01	.75198285+00
.55850171+00	.17095452+01	.40778899+00	.12067678+01	.75406607+00
.55893794+00	.17096483+01	.40739340+00	.12089476+01	.75616163+00
.55937417+00	.17097522+01	.40699746+00	.12111425+01	.75826973+00
.55981040+00	.17098566+01	.40660118+00	.12133528+01	.76039053+00
.56024663+00	.17099618+01	.40620456+00	.12155786+01	.76252413+00
.56068286+00	.17100677+01	.40580757+00	.12178200+01	.76467066+00
.56111909+00	.17101742+01	.40541022+00	.12200773+01	.76683030+00
.56155533+00	.17102814+01	.40501247+00	.12223507+01	.76900321+00
.56199156+00	.17103893+01	.40461435+00	.12246403+01	.77118952+00
.56236093+00	.17104813+01	.40427693+00	.12265919+01	.77305136+00

$.52136511+01 = \Delta S/R$

$.34599375+03 = P_s/P_{\infty}$

$.41464778+01 = \rho_s/\rho_{\infty}$

$.83442810+02 = T_s/T_{\infty}$

TABLE 214. CONICAL FLOWFIELD $\theta_s = 30.0$ DEG; $M_\infty = 1.8171784$

u_s	M_∞	θ_s	θ_w	
.50000938+00	.18171784+01	.52359876+00	.94702104+00	
θ	M_1^*	ψ_1	x	r
.52359876+00	.10000000+01	.52359876+00	.86602539+00	.50000000+00
.53756127+00	.10001876+01	.50996399+00	.85926109+00	.51222224+00
.55152377+00	.10007223+01	.49694861+00	.85291186+00	.52471454+00
.56548628+00	.10015677+01	.48450220+00	.84695300+00	.53749223+00
.57944879+00	.10026928+01	.47257955+00	.84136419+00	.55057266+00
.59341130+00	.10040715+01	.46113991+00	.83612887+00	.56397524+00
.60606482+00	.10055213+01	.45115901+00	.83167885+00	.57641783+00
.61871834+00	.10071469+01	.44151937+00	.82750092+00	.58916070+00
.63137186+00	.10089362+01	.43219785+00	.82358962+00	.60222354+00
.64402539+00	.10108787+01	.42317310+00	.81994118+00	.61562782+00
.65667891+00	.10129658+01	.41442528+00	.81655364+00	.62939714+00
.66802344+00	.10149535+01	.40680273+00	.81373821+00	.64207364+00
.67936798+00	.10170469+01	.39937545+00	.81113344+00	.65508481+00
.69071252+00	.10192420+01	.39213167+00	.80874172+00	.66845307+00
.70205706+00	.10215357+01	.38506029+00	.80656664+00	.68220286+00
.71340159+00	.10239256+01	.37815064+00	.80461322+00	.69636110+00
.72343715+00	.10261185+01	.37216499+00	.80307488+00	.70924961+00
.73347270+00	.10283843+01	.36629133+00	.80172016+00	.72250294+00
.74350825+00	.10307225+01	.36052310+00	.80055548+00	.73614551+00
.75354380+00	.10331329+01	.35485405+00	.79958843+00	.75020406+00
.76357935+00	.10356157+01	.34927806+00	.79882776+00	.76470786+00
.77230592+00	.10378340+01	.34450031+00	.79834192+00	.77770671+00
.78103249+00	.10401080+01	.33978452+00	.79802752+00	.79108940+00
.78975905+00	.10424385+01	.33512679+00	.79789333+00	.80488290+00
.79848562+00	.10448265+01	.33052338+00	.79794803+00	.81911245+00
.80721219+00	.10472734+01	.32597044+00	.79820425+00	.83381071+00
.81462977+00	.10494007+01	.32213728+00	.79858931+00	.84669739+00
.82204735+00	.10515727+01	.31833547+00	.79913714+00	.85996927+00
.82946493+00	.10537907+01	.31456263+00	.79985730+00	.87365118+00
.83688252+00	.10560561+01	.31081629+00	.80076042+00	.88777021+00
.84430010+00	.10583706+01	.30709393+00	.80185841+00	.90235019+00
.85040870+00	.10603148+01	.30404466+00	.80291829+00	.91474167+00
.85651729+00	.10622946+01	.30100846+00	.80412751+00	.92748643+00
.86262589+00	.10643113+01	.29798381+00	.80549508+00	.94061165+00
.86873449+00	.10663663+01	.29496907+00	.80703109+00	.95414144+00
.87484308+00	.10684612+01	.29196266+00	.80874652+00	.96810177+00
.87964270+00	.10701362+01	.28960517+00	.81022817+00	.97939114+00
.88444231+00	.10718377+01	.28725086+00	.81183460+00	.99097888+00
.88924192+00	.10735666+01	.28489884+00	.81357288+00	.10028812+01
.89404153+00	.10753241+01	.28254812+00	.81545071+00	.10151158+01

TABLE 214. (Concluded)

$M_{\infty} = .18171764+01$			$\Theta_s = .52359876+00$	
Θ	M_1^*	ψ_1	\underline{x}	\underline{r}
.89884114+00	.10771112+01	.28019772+00	.81747662+00	.10277017+01
.90233177+00	.10784303+01	.27848774+00	.81904816+00	.10370875+01
.90582240+00	.10797662+01	.27677733+00	.82070670+00	.10466785+01
.90931302+00	.10811194+01	.27506544+00	.82245630+00	.10564840+01
.91280365+00	.10824907+01	.27335181+00	.82430139+00	.10665135+01
.91629428+00	.10838804+01	.27163595+00	.82624672+00	.10767777+01
.91847592+00	.10847587+01	.27056219+00	.82751570+00	.10833168+01
.92065756+00	.10856447+01	.26948723+00	.82882717+00	.10899549+01
.92283920+00	.10865386+01	.26841093+00	.83018248+00	.10966947+01
.92502084+00	.10874404+01	.26733316+00	.83158310+00	.11035396+01
.92720249+00	.10883505+01	.26625375+00	.83303052+00	.11104928+01
.92938413+00	.10892690+01	.26517259+00	.83452635+00	.11175577+01
.93156567+00	.10901962+01	.26408951+00	.83607224+00	.11247377+01
.93374683+00	.10911322+01	.26300442+00	.83766973+00	.11320354+01
.93592799+00	.10920774+01	.26191704+00	.83932095+00	.11394563+01
.93810914+00	.10930318+01	.26082725+00	.84102786+00	.11470045+01
.94029030+00	.10939958+01	.25973483+00	.84279255+00	.11546843+01
.94247146+00	.10949697+01	.25863962+00	.84461721+00	.11625004+01
.94465262+00	.10959536+01	.25754141+00	.84650416+00	.11704577+01
.94683377+00	.10969480+01	.25643976+00	.84845582+00	.11785612+01
.94702104+00	.10970338+01	.25634526+00	.84862648+00	.11792639+01

$$.56906700-01 = \Delta S/R$$

$$.29434415+01 = P_s/P_{\infty}$$

$$.18681925+01 = \rho_s/\rho_{\infty}$$

$$.15755558+01 = T_s/T_{\infty}$$

TABLE 215. CONICAL FLOWFIELD $\theta_s = 30.0$ DEG; $M_\infty = 2.0$

u_s	M_∞	θ_s	θ_w	
.54214813+00	.19999921+01	.52359876+00	.88061410+00	
θ	M_1^*	ψ_1	x	r
.52359876+00	.10842759+01	.52359876+00	.86602539+00	.50000000+00
.53407064+00	.10843915+01	.51331215+00	.86536919+00	.51177778+00
.54454252+00	.10847251+01	.50337937+00	.86483012+00	.52375948+00
.55501440+00	.10852589+01	.49377646+00	.86441451+00	.53595933+00
.56548628+00	.10859776+01	.48448154+00	.86412880+00	.54839232+00
.57595816+00	.10868680+01	.47547449+00	.86397997+00	.56107454+00
.58555739+00	.10878248+01	.46745505+00	.86397005+00	.57293346+00
.59515661+00	.10889080+01	.45964867+00	.86408699+00	.58503002+00
.60475583+00	.10901105+01	.45204293+00	.86433748+00	.59737942+00
.61435506+00	.10914262+01	.44462624+00	.86472843+00	.60999770+00
.62395428+00	.10928497+01	.43738770+00	.86526718+00	.62290201+00
.63268085+00	.10942332+01	.43095314+00	.86589196+00	.63489690+00
.64140742+00	.10956989+01	.42464995+00	.86665202+00	.64715828+00
.65013398+00	.10972439+01	.41847118+00	.86755449+00	.65970217+00
.65886055+00	.10988660+01	.41241011+00	.86860701+00	.67254567+00
.66758712+00	.11005632+01	.40646044+00	.86981783+00	.68570721+00
.67544103+00	.11021535+01	.40119584+00	.87105044+00	.69784099+00
.68329494+00	.11038024+01	.39601209+00	.87242579+00	.71026412+00
.69114885+00	.11055091+01	.39090502+00	.87395176+00	.72299350+00
.69900276+00	.11072732+01	.38587052+00	.87563681+00	.73604722+00
.70685667+00	.11090942+01	.38090458+00	.87749022+00	.74944489+00
.71383792+00	.11107606+01	.37654477+00	.87928720+00	.76165977+00
.72081918+00	.11124718+01	.37223336+00	.88123294+00	.77417923+00
.72780043+00	.11142282+01	.36796764+00	.88333584+00	.78702056+00
.73478168+00	.11160301+01	.36374491+00	.88560513+00	.80020252+00
.74176294+00	.11178777+01	.35956255+00	.88805069+00	.81374527+00
.74787153+00	.11195325+01	.35593404+00	.89034382+00	.82590839+00
.75398013+00	.11212233+01	.35233261+00	.89278822+00	.83838038+00
.76008873+00	.11229507+01	.34875650+00	.89539263+00	.85117845+00
.76619732+00	.11247154+01	.34520398+00	.89816645+00	.86432105+00
.77230592+00	.11265182+01	.34167291+00	.90111985+00	.87782809+00
.77754186+00	.11280944+01	.33866220+00	.90380277+00	.88971207+00
.78277780+00	.11296999+01	.33566485+00	.90663357+00	.90189455+00
.78801374+00	.11313353+01	.33267958+00	.90962045+00	.91439129+00
.79324968+00	.11330015+01	.32970519+00	.91277244+00	.92721946+00
.79848562+00	.11346992+01	.32674035+00	.91609938+00	.94039759+00
.80284891+00	.11361388+01	.32427598+00	.91901304+00	.95166100+00
.80721219+00	.11376016+01	.32181650+00	.92206217+00	.96319371+00
.81157547+00	.11390883+01	.31936113+00	.92525397+00	.97500910+00
.81593876+00	.11405994+01	.31690896+00	.92859610+00	.98712143+00

TABLE 215. (Concluded)

$$M_{\infty} = .19999921+01$$

$$\Theta_s = .52359876+00$$

Θ	M_1^*	ψ_1	x	r
.82030204+00	.11421359+01	.31445909+00	.93209692+00	.99954614+00
.82379267+00	.11433839+01	.31250024+00	.93501794+00	.10097219+01
.82728329+00	.11446490+01	.31054179+00	.93805131+00	.10201174+01
.83077392+00	.11459317+01	.30858322+00	.94120231+00	.10307422+01
.83426455+00	.11472327+01	.30662400+00	.94447667+00	.10416067+01
.83775517+00	.11485523+01	.30466355+00	.94788050+00	.10527219+01
.84037314+00	.11495547+01	.30319206+00	.95052227+00	.10612298+01
.84299111+00	.11505682+01	.30171930+00	.95324349+00	.10698908+01
.84560908+00	.11515932+01	.30024501+00	.95604724+00	.10787101+01
.84822705+00	.11526298+01	.29876892+00	.95893682+00	.10876938+01
.85084502+00	.11536784+01	.29729071+00	.96191576+00	.10968481+01
.85259034+00	.11543844+01	.29630391+00	.96395315+00	.11030489+01
.85433565+00	.11550959+01	.29531597+00	.96603302+00	.11093304+01
.85608087+00	.11558131+01	.29432678+00	.96815642+00	.11156944+01
.85782579+00	.11565363+01	.29333626+00	.97032438+00	.11221423+01
.85957072+00	.11572653+01	.29234432+00	.97253852+00	.11286775+01
.86131565+00	.11580003+01	.29135078+00	.97480024+00	.11353024+01
.86306057+00	.11587416+01	.29035560+00	.97711093+00	.11420194+01
.86480550+00	.11594891+01	.28935866+00	.97947202+00	.11488310+01
.86655042+00	.11602430+01	.28835981+00	.98188510+00	.11557400+01
.86829535+00	.11610034+01	.28735898+00	.98435174+00	.11627492+01
.87004028+00	.11617706+01	.28635602+00	.98687362+00	.11698614+01
.87178520+00	.11625446+01	.28535078+00	.98945248+00	.11770797+01
.87353013+00	.11633256+01	.28434319+00	.99209018+00	.11844074+01
.87527505+00	.11641137+01	.28333306+00	.99478864+00	.11918476+01
.87701998+00	.11649092+01	.28232030+00	.99754991+00	.11994039+01
.87876491+00	.11657122+01	.28130471+00	.10003760+01	.12070800+01
.88050983+00	.11665229+01	.28028616+00	.10032693+01	.12148796+01
.88061410+00	.11665716+01	.28022521+00	.10034443+01	.12153496+01

$$.76786608-01 = \Delta S/R$$

$$.32264983+01 = P_s/P_{\infty}$$

$$.19583628+01 = \rho_s/\rho_{\infty}$$

$$.16475488+01 = T_s/T_{\infty}$$

TABLE 216. CONICAL FLOWFIELD $\theta_s = 30.0$ DEG; $M_\infty = 2.5$

u_s	M_∞	θ_s	θ_w	
.62142225+00	.24999758+01	.52359876+00	.78066448+00	
θ	M_1^*	ψ_1	x	r
.52359876+00	.12428212+01	.52359876+00	.86602539+00	.50000000+00
.53101634+00	.12428883+01	.51627441+00	.86842938+00	.51001386+00
.53843392+00	.12430839+01	.50912931+00	.87096175+00	.52022790+00
.54585151+00	.12434006+01	.50215286+00	.87362850+00	.53045221+00
.55326909+00	.12438319+01	.49533521+00	.87643614+00	.54129764+00
.56068667+00	.12443717+01	.48866718+00	.87939159+00	.55217571+00
.56810425+00	.12450148+01	.48214010+00	.88250239+00	.56329880+00
.57552183+00	.12457565+01	.47574590+00	.88577662+00	.57468010+00
.58206676+00	.12464895+01	.47020818+00	.88880842+00	.58494824+00
.58861168+00	.12472935+01	.46476293+00	.89198074+00	.59543888+00
.59515661+00	.12481661+01	.45940540+00	.89530057+00	.60616317+00
.60170154+00	.12491054+01	.45413098+00	.89877549+00	.61713307+00
.60824646+00	.12501096+01	.44893529+00	.90241352+00	.62836129+00
.61479139+00	.12511771+01	.44381407+00	.90622339+00	.63986148+00
.62133631+00	.12523066+01	.43876324+00	.91021451+00	.65164833+00
.62700858+00	.12533347+01	.43443966+00	.91382802+00	.66210768+00
.63268085+00	.12544080+01	.43016340+00	.91759247+00	.67280520+00
.63835312+00	.12555258+01	.42593196+00	.92151558+00	.68375269+00
.64402539+00	.12566879+01	.42174292+00	.92560557+00	.69496270+00
.64969765+00	.12578940+01	.41759387+00	.92987142+00	.70644882+00
.65536992+00	.12591439+01	.41348238+00	.93432285+00	.71822561+00
.66104219+00	.12604375+01	.40940616+00	.93897028+00	.73030874+00
.66664180+00	.12615663+01	.40598276+00	.94306406+00	.74078454+00
.67064141+00	.12627266+01	.40258145+00	.94731361+00	.75150266+00
.67544103+00	.12639185+01	.39920087+00	.95172679+00	.76247475+00
.68024064+00	.12651424+01	.39583943+00	.95631216+00	.77371338+00
.68504025+00	.12663984+01	.39249576+00	.96107889+00	.78523200+00
.68983986+00	.12676869+01	.38916835+00	.96603694+00	.79704511+00
.69463947+00	.12690085+01	.38585574+00	.97119687+00	.80916815+00
.69856643+00	.12701147+01	.38315532+00	.97557690+00	.81932919+00
.70247338+00	.12712436+01	.38046294+00	.98010670+00	.82971879+00
.70642034+00	.12723957+01	.37777764+00	.98479354+00	.84034741+00
.71034729+00	.12735713+01	.37509859+00	.98964528+00	.85122627+00
.71427425+00	.12747709+01	.37242490+00	.99467026+00	.86236730+00
.71820121+00	.12759950+01	.36975554+00	.99987748+00	.87378332+00
.72212816+00	.12772441+01	.36708956+00	.10052768+01	.88548820+00
.72518246+00	.12782333+01	.36501770+00	.10096157+01	.89480108+00
.72823676+00	.12792384+01	.36294679+00	.10140824+01	.90430505+00
.73129106+00	.12802597+01	.36087631+00	.10186825+01	.91400799+00
.73434535+00	.12812974+01	.35880570+00	.10234219+01	.92391827+00

TABLE 216. (Concluded)

$$M_{\infty} = .24999758+01$$

$$\theta_s = .52359876+00$$

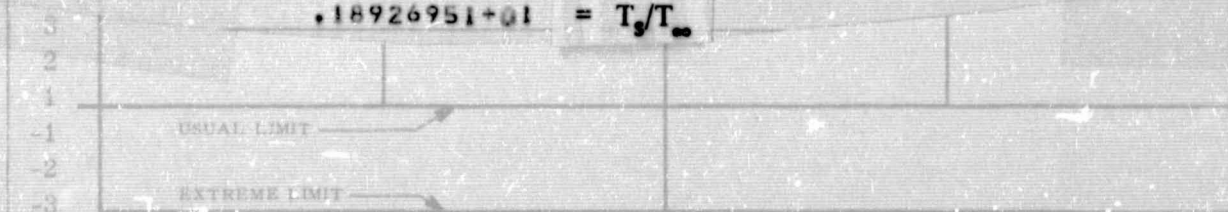
θ	M_1^*	ψ_1	x	r
.73739965+00	.12823520+01	.35673445+00	.10283073+01	.93404487+00
.74045395+00	.12834240+01	.35466196+00	.10333451+01	.94439712+00
.74350825+00	.12845137+01	.35258765+00	.10385428+01	.95498516+00
.74568989+00	.12853032+01	.35110456+00	.10423577+01	.96269846+00
.74787153+00	.12861022+01	.34961997+00	.10462611+01	.97054171+00
.75005308+00	.12869110+01	.34813372+00	.10502560+01	.97851890+00
.75223424+00	.12877302+01	.34664559+00	.10543454+01	.98663304+00
.75441539+00	.12885595+01	.34515518+00	.10585332+01	.99489199+00
.75659655+00	.12893991+01	.34366229+00	.10628233+01	.10032991+01
.75877771+00	.12902492+01	.34216662+00	.10672195+01	.10118604+01
.76095886+00	.12907645+01	.34126776+00	.10699099+01	.10170734+01
.76139510+00	.12912837+01	.34036771+00	.10726409+01	.10223452+01
.76270379+00	.12918070+01	.33946645+00	.10754135+01	.10276770+01
.76401249+00	.12923343+01	.33856389+00	.10782288+01	.10330703+01
.76532118+00	.12928658+01	.33765996+00	.10810876+01	.10385264+01
.76662987+00	.12934014+01	.33675455+00	.10839912+01	.10440468+01
.76793857+00	.12939413+01	.33584762+00	.10869406+01	.10496330+01
.76924726+00	.12944856+01	.33493911+00	.10899369+01	.10552865+01
.77055596+00	.12950342+01	.33402891+00	.10929814+01	.10610090+01
.77186465+00	.12955873+01	.33311694+00	.10960752+01	.10668021+01
.77317335+00	.12961451+01	.33220316+00	.10992197+01	.10726675+01
.77448204+00	.12967074+01	.33128741+00	.11024163+01	.10786070+01
.77579074+00	.12972744+01	.33036969+00	.11056662+01	.10846225+01
.77709943+00	.12978463+01	.32944987+00	.11089709+01	.10907159+01
.77840813+00	.12984231+01	.32852784+00	.11123320+01	.10968892+01
.77971682+00	.12990049+01	.32760352+00	.11157510+01	.11031445+01
.78066448+00	.12994294+01	.32693271+00	.11182638+01	.11077265+01

$$.15769906+00 = \Delta S/R$$

$$.42091364+01 = P_s/P_{\infty}$$

$$.22238852+01 = \rho_s/\rho_{\infty}$$

$$.18926951+01 = T_s/T_{\infty}$$



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CLASSIFICATION

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71 TABLE 217. CONICAL FLOWFIELD $\theta_s = 30.0 \text{ DEG}$; $M_\infty = 3.0$

u_s	M_∞	θ_s	θ_w	
.67205568+00	.29999927+01	.52359876+00	.72950835+00	
θ	M_1^*	ψ_1	x	r
.52359876+00	.13440862+01	.52359876+00	.86602539+00	.50000000+00
.52970736+00	.13441355+01	.51755343+00	.86945274+00	.50908541+00
.53581595+00	.13442802+01	.51162997+00	.87301567+00	.51835861+00
.54192455+00	.13445157+01	.50582143+00	.87672030+00	.52782833+00
.54803315+00	.13448379+01	.50012129+00	.88057335+00	.53750397+00
.55414174+00	.13452432+01	.49452341+00	.88453199+00	.54739558+00
.56025034+00	.13457282+01	.48902199+00	.88875382+00	.55751378+00
.56635894+00	.13462900+01	.48361152+00	.89309724+00	.56787010+00
.57246754+00	.13469260+01	.47828677+00	.89762111+00	.57847673+00
.57770348+00	.13475284+01	.47328713+00	.90164957+00	.58777730+00
.58293742+00	.13481824+01	.46934376+00	.90582424+00	.59728030+00
.58817536+00	.13488868+01	.46495374+00	.91015198+00	.60699511+00
.59341130+00	.13496404+01	.46061420+00	.91464032+00	.61693181+00
.59864724+00	.13504426+01	.45632240+00	.91929729+00	.62710115+00
.60388318+00	.13512925+01	.45207563+00	.92413152+00	.63751461+00
.60911912+00	.13521895+01	.44787123+00	.92915226+00	.64818449+00
.61435506+00	.13531331+01	.44370661+00	.93436953+00	.65912401+00
.61871834+00	.13539547+01	.44026463+00	.93887515+00	.66845647+00
.62308162+00	.13548083+01	.43684699+00	.94353140+00	.67799477+00
.62744491+00	.13556937+01	.43345229+00	.94834554+00	.68774833+00
.63180819+00	.13566109+01	.43007901+00	.95332526+00	.69772715+00
.63617148+00	.13575599+01	.42672570+00	.95847879+00	.70794187+00
.64053476+00	.13585409+01	.42339090+00	.96381498+00	.71840373+00
.64489804+00	.13595539+01	.42007314+00	.96934326+00	.72912545+00
.64926133+00	.13605992+01	.41677091+00	.97507390+00	.74011959+00
.65275195+00	.13614589+01	.41413928+00	.97981151+00	.74912061+00
.65624258+00	.13623396+01	.41151583+00	.98469180+00	.75831284+00
.65973321+00	.13632416+01	.40889976+00	.98972117+00	.76770494+00
.66322383+00	.13641650+01	.40629029+00	.99490652+00	.77730410+00
.66671446+00	.13651102+01	.40368656+00	.10002552+01	.78712109+00
.67020509+00	.13660775+01	.40108769+00	.10057751+01	.79716533+00
.67369571+00	.13670672+01	.39849285+00	.10114747+01	.80744734+00
.67718634+00	.13680797+01	.39590109+00	.10173629+01	.81797842+00
.67980431+00	.13688543+01	.39339587+00	.10219088+01	.82604748+00
.68242228+00	.13696423+01	.39201721+00	.10265706+01	.83426876+00
.68504025+00	.13704437+01	.39007609+00	.10313529+01	.84264812+00
.68765822+00	.13712589+01	.38813491+00	.10362608+01	.85119161+00
.69027619+00	.13720880+01	.38619328+00	.10412993+01	.85990552+00
.69289416+00	.13729314+01	.38425069+00	.10464740+01	.86879668+00
.69551213+00	.13737894+01	.38230669+00	.10517907+01	.87787225+00

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TABLE 217. (Concluded)

$$M_{\infty} = .29999927+01$$

$$\Theta_s = .52359876+00$$

Θ	M_1^*	ψ_1	x	r
.69813010+00	.13746622+01	.38036085+00	.10572556+01	.88713985+00
.69987532+00	.13752527+01	.37906227+00	.10609842+01	.89342856+00
.70162024+00	.13758505+01	.37776235+00	.10647831+01	.89980759+00
.70336517+00	.13764552+01	.37646107+00	.10686550+01	.90628067+00
.70511010+00	.13770670+01	.37515823+00	.10726022+01	.91285058+00
.70685502+00	.13776861+01	.37385363+00	.10766270+01	.91952008+00
.70859995+00	.13783125+01	.37254717+00	.10807318+01	.92629217+00
.71034487+00	.13789463+01	.37123858+00	.10849193+01	.93317001+00
.71208980+00	.13795877+01	.36992776+00	.10891922+01	.94015683+00
.71296226+00	.13799113+01	.36927143+00	.10913615+01	.94369219+00
.71383473+00	.13802369+01	.36861444+00	.10935533+01	.94725611+00
.71470719+00	.13805645+01	.36795679+00	.10957678+01	.95084901+00
.71557965+00	.13808941+01	.36729847+00	.10980055+01	.95447135+00
.71645211+00	.13812256+01	.36663940+00	.11002669+01	.95812366+00
.71732458+00	.13815592+01	.36597960+00	.11025521+01	.96180637+00
.71819704+00	.13818948+01	.36531901+00	.11048618+01	.96551999+00
.71906950+00	.13822326+01	.36465763+00	.11071963+01	.96926507+00
.71994177+00	.13825724+01	.36399540+00	.11095560+01	.97304206+00
.72081443+00	.13829144+01	.36333234+00	.11119415+01	.97685157+00
.72168680+00	.13832585+01	.36266837+00	.11143531+01	.98069409+00
.72255936+00	.13836048+01	.36200348+00	.11167914+01	.98457022+00
.72343182+00	.13839533+01	.36133762+00	.11192567+01	.98848052+00
.72430428+00	.13843040+01	.36067078+00	.11217497+01	.99242557+00
.72517674+00	.13846570+01	.36000297+00	.11242708+01	.99640597+00
.72604921+00	.13850123+01	.35933409+00	.11268205+01	.10004224+01
.72692167+00	.13853698+01	.35866413+00	.11293994+01	.10044754+01
.72779413+00	.13857297+01	.35799306+00	.11320080+01	.10085658+01
.72866660+00	.13860919+01	.35732090+00	.11346470+01	.10126941+01
.72953906+00	.13864565+01	.35664756+00	.11373169+01	.10168611+01
.72956835+00	.13864688+01	.35662494+00	.11374071+01	.10170017+01

$$.27033147+00 = \Delta S/R$$

$$.54373181+01 = P_s/P_{\infty}$$

$$.24789013+01 = \rho_s/\rho_{\infty}$$

$$.21934388+01 = T_s/T_{\infty}$$

EXTREMAL LIMIT

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TABLE 218. CONICAL FLOWFIELD $\theta_s = 30.0 \text{ DEG}$; $M_\infty = 4.0$

u_s	M_∞	θ_s	θ_w	
.73061465+00	.39999863+01	.52359876+00	.67951018+00	
θ	M_1^*	ψ_1	x	r
.52359876+00	.14612019+01	.52359876+00	.86602539+00	.50000000+00
.52796204+00	.14612294+01	.51926781+00	.86979418+00	.50724890+00
.53232533+00	.14613106+01	.51499947+00	.87367444+00	.51463345+00
.53668861+00	.14614436+01	.51079056+00	.87767044+00	.52215887+00
.54105189+00	.14616268+01	.50663806+00	.88178699+00	.52983086+00
.54541518+00	.14618585+01	.50253906+00	.88602894+00	.53765529+00
.54977846+00	.14621373+01	.49849082+00	.89040168+00	.54563853+00
.55370542+00	.14624277+01	.49468858+00	.89445357+00	.55296470+00
.55763237+00	.14627544+01	.49132344+00	.89862029+00	.56043006+00
.56155933+00	.14631167+01	.48779357+00	.90290648+00	.56804004+00
.56548628+00	.14635140+01	.48429722+00	.90731692+00	.57580031+00
.56941324+00	.14639455+01	.48083269+00	.91185686+00	.58371698+00
.57334019+00	.14644108+01	.47739830+00	.91653185+00	.59179650+00
.57683082+00	.14648523+01	.47436950+00	.92080549+00	.59912050+00
.58032145+00	.14653199+01	.47136208+00	.92519485+00	.60658362+00
.58381207+00	.14658132+01	.46837495+00	.92970449+00	.61419114+00
.58730270+00	.14663320+01	.46540702+00	.93433931+00	.62194871+00
.59079333+00	.14668762+01	.46245717+00	.93910458+00	.62986234+00
.59428395+00	.14674456+01	.45952435+00	.94400574+00	.63793831+00
.59773382+00	.14679644+01	.45697124+00	.94841030+00	.64514320+00
.60039255+00	.14685024+01	.45442962+00	.95292774+00	.65248223+00
.60344685+00	.14690595+01	.45189876+00	.95756219+00	.65996038+00
.60650115+00	.14696358+01	.44937795+00	.96231844+00	.66758294+00
.60955545+00	.14702312+01	.44686646+00	.96720140+00	.67535548+00
.61260974+00	.14708459+01	.44436355+00	.97221622+00	.68328380+00
.61562277+00	.14713881+01	.44222448+00	.97662386+00	.69020825+00
.61784568+00	.14719446+01	.44009074+00	.98113614+00	.69725587+00
.62046345+00	.14725154+01	.43796176+00	.98575699+00	.70443100+00
.62308162+00	.14731006+01	.43583717+00	.99049044+00	.71173820+00
.62569959+00	.14737004+01	.43371642+00	.99534088+00	.71918228+00
.62831756+00	.14743148+01	.43159901+00	.100003128+01	.72676833+00
.63099921+00	.14748381+01	.42983674+00	.10045525+01	.73320238+00
.63268085+00	.14753718+01	.42807613+00	.1008682+01	.73974194+00
.63486249+00	.14759156+01	.42631689+00	.10133070+01	.74639046+00
.63704413+00	.14764705+01	.42455869+00	.10176281+01	.75315152+00
.63922577+00	.14770358+01	.42280126+00	.10224497+01	.76002887+00
.64140742+00	.14776119+01	.42104422+00	.10271753+01	.76702642+00
.64315273+00	.14780807+01	.41963868+00	.10310332+01	.77271379+00
.64489804+00	.14785565+01	.41823301+00	.10349621+01	.77848300+00
.64664336+00	.14790395+01	.41682705+00	.10389642+01	.78433626+00

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TABLE 218. (Concluded)

$M_{\infty} = .39999863+01$

$\Theta_s = .52359876+00$

Θ	M_1^*	ψ_1	x	r
.64838867+00	.14795298+01	.41542059+00	.10430416+01	.79027607+00
.65013398+00	.14800273+01	.41401346+00	.10471967+01	.79630492+00
.65187930+00	.14805323+01	.41260546+00	.10514318+01	.80242538+00
.65318818+00	.14809162+01	.41154876+00	.10546619+01	.80707720+00
.65449688+00	.14813046+01	.41049126+00	.10579392+01	.81178261+00
.65580557+00	.14816974+01	.40943301+00	.10612651+01	.81654350+00
.65711427+00	.14820945+01	.40837388+00	.10646409+01	.82136118+00
.65842296+00	.14824961+01	.40731384+00	.10680678+01	.82623697+00
.65973166+00	.14829021+01	.40625271+00	.10715470+01	.83117226+00
.66060412+00	.14831753+01	.40554466+00	.10738963+01	.83449617+00
.66147658+00	.14834506+01	.40483612+00	.10762698+01	.83784762+00
.66234905+00	.14837278+01	.40412700+00	.10786680+01	.84122699+00
.66322151+00	.14840072+01	.40341726+00	.10810913+01	.84463478+00
.66409397+00	.14842886+01	.40270690+00	.10835401+01	.84807143+00
.66496643+00	.14845722+01	.40199589+00	.10860149+01	.85153744+00
.66583890+00	.14848578+01	.40128420+00	.10885162+01	.85503326+00
.66671136+00	.14851456+01	.40057179+00	.10910443+01	.85855940+00
.66758382+00	.14854356+01	.39985862+00	.10935999+01	.86211644+00
.66845629+00	.14857278+01	.39914466+00	.10961833+01	.86570479+00
.66932875+00	.14860221+01	.39842989+00	.10987950+01	.86932506+00
.67020121+00	.14863187+01	.39771426+00	.11014357+01	.87297780+00
.67107368+00	.14866175+01	.39699775+00	.11041058+01	.87666357+00
.67194614+00	.14869187+01	.39628030+00	.11068059+01	.88038298+00
.67281860+00	.14872221+01	.39556190+00	.11095365+01	.88413660+00
.67369106+00	.14875278+01	.39484251+00	.11122983+01	.88792507+00
.67456353+00	.14878359+01	.39412206+00	.11150917+01	.89174896+00
.67543599+00	.14881464+01	.39340057+00	.11179175+01	.89560898+00
.67630845+00	.14884592+01	.39267792+00	.11207763+01	.89950582+00
.67718092+00	.14887745+01	.39195414+00	.11236687+01	.90344014+00
.67805338+00	.14890923+01	.39122913+00	.11265953+01	.90741263+00
.67892584+00	.14894125+01	.39050291+00	.11295569+01	.91142402+00
.67951018+00	.14896284+01	.39001580+00	.11315604+01	.91413280+00

$.55722639+00 = \Delta S/R$

$.85806569+01 = P_s/P_{\infty}$

$.29060165+01 = \rho_s/\rho_{\infty}$

$.29527214+01 = T_s/T_{\infty}$

TABLE 219. CONICAL FLOWFIELD $\theta_s = 30.0$ DEG; $M_\infty = 5.0$

u_s	M_∞	θ_s	θ_w	
.76137488+00	.49999949+01	.52359876+00	.65632886+00	
θ	M_1^*	ψ_1	x	r
.52359876+00	.15227212+01	.52359876+00	.86602539+00	.50000000+00
.52708939+00	.15227396+01	.52012885+00	.86967909+00	.50616525+00
.53058001+00	.15227941+01	.51669919+00	.87342423+00	.51243485+00
.53407064+00	.15228836+01	.51330792+00	.87726392+00	.51881230+00
.53756127+00	.15230072+01	.50995323+00	.88120147+00	.52530132+00
.54105189+00	.15231641+01	.50663340+00	.88524053+00	.53190596+00
.54454252+00	.15233535+01	.50334676+00	.88938484+00	.53863034+00
.54803315+00	.15235747+01	.50009169+00	.89363835+00	.54547887+00
.55152377+00	.15238271+01	.49686665+00	.89800528+00	.55245619+00
.55501440+00	.15241100+01	.49367011+00	.90249004+00	.55956715+00
.55850503+00	.15244229+01	.49050061+00	.90709728+00	.56681685+00
.56199566+00	.15247654+01	.48735669+00	.91183199+00	.57421078+00
.56548628+00	.15251371+01	.48423696+00	.91669950+00	.58175467+00
.56897691+00	.15255374+01	.48114005+00	.92170539+00	.58945463+00
.57246754+00	.15259662+01	.47806457+00	.92685562+00	.59731707+00
.57595816+00	.15264232+01	.47500919+00	.93215649+00	.60534884+00
.57857613+00	.15267843+01	.47273006+00	.93623509+00	.61148816+00
.58119410+00	.15271610+01	.47046092+00	.94040526+00	.61773006+00
.58381207+00	.15275533+01	.46820124+00	.94467010+00	.62407788+00
.58643004+00	.15279612+01	.46595045+00	.94903298+00	.63053519+00
.58904801+00	.15283846+01	.46370801+00	.95349744+00	.63710577+00
.59166598+00	.15288234+01	.46147335+00	.95806709+00	.64379348+00
.59428395+00	.15292778+01	.45924593+00	.96274585+00	.65060246+00
.59690192+00	.15297477+01	.45702518+00	.96753781+00	.65753704+00
.59951989+00	.15302331+01	.45481054+00	.97244733+00	.66460183+00
.60213786+00	.15307342+01	.45260143+00	.97747892+00	.67180158+00
.60475583+00	.15312510+01	.45039730+00	.98263746+00	.67914144+00
.60737380+00	.15317836+01	.44819753+00	.98792801+00	.68662671+00
.60999177+00	.15323321+01	.44600154+00	.99335598+00	.69426306+00
.61260974+00	.15328965+01	.44380874+00	.99892714+00	.70205651+00
.61522771+00	.15334772+01	.44161849+00	.10046476+01	.71001342+00
.61697303+00	.15338733+01	.44015945+00	.10085473+01	.71541215+00
.61871834+00	.15342768+01	.43870107+00	.10125183+01	.72088861+00
.62046365+00	.15346877+01	.43724313+00	.10165626+01	.72644500+00
.62220897+00	.15351060+01	.43578549+00	.10206824+01	.73208353+00
.62395428+00	.15355318+01	.43432789+00	.10248801+01	.73780666+00
.62569959+00	.15359652+01	.43287018+00	.10291581+01	.74361685+00
.62744491+00	.15364063+01	.43141209+00	.10335188+01	.74951679+00
.62919022+00	.15368551+01	.42995343+00	.10379649+01	.75550890+00
.63093553+00	.15373119+01	.42849401+00	.10424992+01	.76159628+00

TABLE 219. (Concluded)

$$M_{\infty} = .49999949+01$$

$$\Theta_s = .52359876+00$$

Θ	M_1^*	ψ_1	x	r
.63268075+00	.15377767+01	.42703350+00	.10471241+01	.76778139+00
.63442568+00	.15382501+01	.42557159+00	.10518424+01	.77406673+00
.63617060+00	.15387317+01	.42410819+00	.10566579+01	.78045647+00
.63791553+00	.15392216+01	.42264307+00	.10615738+01	.78695402+00
.63966046+00	.15397199+01	.42117593+00	.10665937+01	.79356299+00
.64140538+00	.15402267+01	.41970651+00	.10717214+01	.80028710+00
.64227784+00	.15404834+01	.41897087+00	.10743268+01	.80369356+00
.64315031+00	.15407423+01	.41823455+00	.10769605+01	.80713023+00
.64402277+00	.15410034+01	.41749754+00	.10796233+01	.81059777+00
.64489523+00	.15412667+01	.41675980+00	.10823154+01	.81409665+00
.64576770+00	.15415323+01	.41602123+00	.10850375+01	.81762736+00
.64664016+00	.15418002+01	.41528188+00	.10877901+01	.82119055+00
.64751262+00	.15420704+01	.41454167+00	.10905739+01	.82478678+00
.64838509+00	.15423428+01	.41380058+00	.10933893+01	.82841662+00
.64925755+00	.15426176+01	.41305851+00	.10962371+01	.83208072+00
.65013001+00	.15428948+01	.41231549+00	.10991178+01	.83577965+00
.65100247+00	.15431744+01	.41157144+00	.11020320+01	.83951411+00
.65187494+00	.15434564+01	.41082636+00	.11049805+01	.84328475+00
.65274740+00	.15437409+01	.41008015+00	.11079639+01	.84709226+00
.65361986+00	.15440278+01	.40933280+00	.11109829+01	.85093738+00
.65449233+00	.15443172+01	.40858424+00	.11140383+01	.85482076+00
.65536479+00	.15446092+01	.40783443+00	.11171307+01	.85874317+00
.65623725+00	.15449037+01	.40708335+00	.11202610+01	.86270539+00
.65632846+00	.15449348+01	.40700440+00	.11205919+01	.86312376+00

$$.88121706+00 = \Delta S/R$$

$$.12627171+02 = P_s/P_{\infty}$$

$$.32187167+01 = \rho_s/\rho_{\infty}$$

$$.39230452+01 = T_s/T_{\infty}$$

TABLE 220. CONICAL FLOWFIELD $\theta_s = 30.0$ DEG; $M_\infty = 6.0$

u_s	M_∞	θ_s	θ_w	
.77926465+00	.59999837+01	.52359876+00	.64368523+00	
θ	M_1^*	ψ_1	x	r
.52359876+00	.15585001+01	.52359876+00	.86602539+00	.50000000+00
.52752572+00	.15585239+01	.51969794+00	.87061440+00	.50721829+00
.53145267+00	.15585943+01	.51584753+00	.87533858+00	.51458532+00
.53537963+00	.15587097+01	.51204468+00	.88020361+00	.52210718+00
.53930658+00	.15588690+01	.50828663+00	.88521559+00	.52979040+00
.54323354+00	.15590710+01	.50457076+00	.89038105+00	.53764196+00
.54716049+00	.15593146+01	.50089455+00	.89570698+00	.54566927+00
.55065112+00	.15595653+01	.49765814+00	.90058182+00	.55295853+00
.55414174+00	.15598476+01	.49444948+00	.90559480+00	.56039869+00
.55763237+00	.15601610+01	.49126696+00	.91075188+00	.56799600+00
.56112300+00	.15605050+01	.48810899+00	.91605934+00	.57575706+00
.56461363+00	.15608792+01	.48497403+00	.92152388+00	.58368889+00
.56810425+00	.15612833+01	.48186054+00	.92715263+00	.59179892+00
.57115855+00	.15616612+01	.47915267+00	.93221845+00	.59904758+00
.57421285+00	.15620616+01	.47645910+00	.93742125+00	.60644436+00
.57726715+00	.15624844+01	.47377882+00	.94276682+00	.61399526+00
.58032145+00	.15629296+01	.47111084+00	.94826135+00	.62170666+00
.58337574+00	.15633970+01	.46845417+00	.95391132+00	.62958521+00
.58643004+00	.15638866+01	.46580783+00	.95972368+00	.63763806+00
.58904801+00	.15643240+01	.46354697+00	.96484062+00	.64468504+00
.59166598+00	.15647778+01	.46129232+00	.97008725+00	.65167068+00
.59428395+00	.15652481+01	.45904323+00	.97546881+00	.65920036+00
.59690192+00	.15657349+01	.45679907+00	.98099092+00	.66667975+00
.59951989+00	.15662383+01	.45455915+00	.98665953+00	.67431491+00
.60213786+00	.15667585+01	.45232280+00	.99248086+00	.68211211+00
.60431951+00	.15672048+01	.45046143+00	.99745347+00	.68873848+00
.60650115+00	.15676629+01	.44860166+00	.10025408+01	.69548617+00
.60868279+00	.15681330+01	.44674309+00	.10077474+01	.70235959+00
.61084443+00	.15686151+01	.44488528+00	.10130776+01	.70936333+00
.61301607+00	.15691094+01	.44302782+00	.10185363+01	.71650214+00
.61522771+00	.15696159+01	.44117024+00	.10241286+01	.72378121+00
.61697303+00	.15700301+01	.43968380+00	.10287022+01	.72970901+00
.61871834+00	.15704524+01	.43819678+00	.10333677+01	.73573289+00
.62046365+00	.15708829+01	.43670887+00	.10381281+01	.74185587+00
.62220877+00	.15713219+01	.43521981+00	.10429861+01	.74808048+00
.62395370+00	.15717697+01	.43372925+00	.10479450+01	.75441006+00
.62569863+00	.15722260+01	.43223708+00	.10530089+01	.76084869+00
.62700732+00	.15725738+01	.43111673+00	.10568780+01	.76575148+00
.62831602+00	.15729265+01	.42999516+00	.10608099+01	.77071938+00
.62962471+00	.15732842+01	.42887230+00	.10648062+01	.77575400+00

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TABLE 220. (Concluded)

$$M_{\infty} = .59999837+01$$

$$\Theta_s = .52359876+00$$

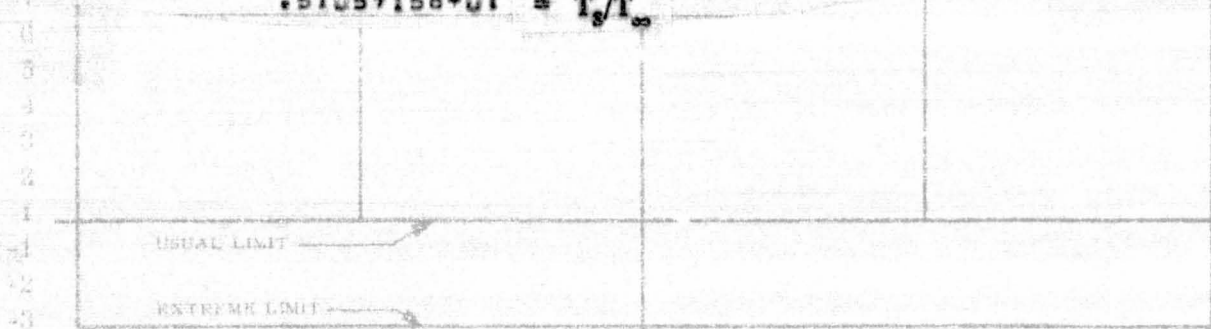
Θ	M_1^*	ψ_1	x	r
.63093340+00	.15736469+01	.42774802+00	.10668688+01	.78065705+00
.63224210+00	.15740147+01	.42662212+00	.10729995+01	.78603047+00
.63355079+00	.15743876+01	.42549455+00	.10772003+01	.79127608+00
.63442326+00	.15746392+01	.42474183+00	.10800407+01	.79481422+00
.63529572+00	.15748930+01	.42398825+00	.10829137+01	.79838594+00
.63616818+00	.15751493+01	.42323376+00	.10858200+01	.80199184+00
.63704064+00	.15754079+01	.42247836+00	.10887602+01	.80563250+00
.63791311+00	.15756689+01	.42172194+00	.10917350+01	.80930870+00
.63878557+00	.15759324+01	.42096448+00	.10947450+01	.81302100+00
.63922180+00	.15760650+01	.42058536+00	.10962635+01	.81489092+00
.63965803+00	.15761983+01	.42020596+00	.10977910+01	.81677010+00
.64009427+00	.15763322+01	.41982627+00	.10993277+01	.81865870+00
.64053050+00	.15764667+01	.41944632+00	.11008737+01	.82055678+00
.64096673+00	.15766018+01	.41906604+00	.11024290+01	.82246447+00
.64140296+00	.15767377+01	.41868548+00	.11039938+01	.82438176+00
.64183919+00	.15768741+01	.41830461+00	.11055682+01	.82630883+00
.64227542+00	.15770112+01	.41792344+00	.11071522+01	.82824571+00
.64271165+00	.15771488+01	.41754195+00	.11087460+01	.83019260+00
.64314789+00	.15772872+01	.41716012+00	.11103496+01	.83214953+00
.64358412+00	.15774262+01	.41677798+00	.11119632+01	.83411662+00
.64368523+00	.15774585+01	.41668935+00	.11123386+01	.83457399+00

$$.12094700+01 = \Delta S/R$$

$$.17573767+02 = P_s/P_{\infty}$$

$$.34418443+01 = \rho_s/\rho_{\infty}$$

$$.51059158+01 = T_s/T_{\infty}$$



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TABLE 221. CONICAL FLOWFIELD $\theta_s = 30.0 \text{ DEG}$; $M_\infty = 8.0$

u_s	M_∞	θ_s	θ_w	
.79797999+00	.79999509+01	.52359876+00	.63105693+00	
θ	M_1^*	ϕ_1	x	r
.52359876+00	.15959300+01	.52359876+00	.86602539+00	.50000000+00
.52752572+00	.15959544+01	.51969789+00	.87115741+00	.50753465+00
.53145267+00	.15960265+01	.51584715+00	.87644847+00	.51523779+00
.53537963+00	.15961447+01	.51204338+00	.88190580+00	.52311686+00
.53930650+00	.15963079+01	.50828360+00	.88753718+00	.53117985+00
.54323354+00	.15965149+01	.50456493+00	.89335088+00	.53943524+00
.54672416+00	.15967349+01	.50129170+00	.89867896+00	.54694231+00
.55021479+00	.15969880+01	.49804688+00	.90416490+00	.55461544+00
.55370542+00	.15972737+01	.49482862+00	.90981586+00	.56246191+00
.55719604+00	.15975915+01	.49163514+00	.91563948+00	.57048943+00
.56068667+00	.15979411+01	.48846468+00	.92164395+00	.57870623+00
.56374097+00	.15982728+01	.48570806+00	.92705301+00	.58605807+00
.56679527+00	.15986282+01	.48296658+00	.93261351+00	.59356786+00
.56984957+00	.15990074+01	.48023912+00	.93833201+00	.60124216+00
.57290386+00	.15994101+01	.47752453+00	.94421572+00	.60908815+00
.57595816+00	.15998363+01	.47482169+00	.95027221+00	.61711331+00
.57857613+00	.16002204+01	.47251345+00	.95560707+00	.62414069+00
.58119410+00	.16006216+01	.47021230+00	.96108023+00	.63131096+00
.58381207+00	.16010402+01	.46791749+00	.96669745+00	.63862982+00
.58643004+00	.16014761+01	.46562830+00	.97240482+00	.64610324+00
.58904801+00	.16019294+01	.46334399+00	.97838887+00	.65373767+00
.59122965+00	.16023205+01	.46114435+00	.98345019+00	.66022750+00
.59341130+00	.16027238+01	.45954560+00	.98862931+00	.66683795+00
.59559294+00	.16031395+01	.45764958+00	.99393076+00	.67357340+00
.59777458+00	.16035675+01	.45575508+00	.99935923+00	.68043845+00
.59995622+00	.16040080+01	.45386162+00	.10049197+01	.68743797+00
.60170154+00	.16043696+01	.45234727+00	.10094667+01	.69313785+00
.60344685+00	.16047392+01	.45083304+00	.10141045+01	.69892984+00
.60519216+00	.16051172+01	.44931865+00	.10188359+01	.70481680+00
.60693748+00	.16055034+01	.44780386+00	.10236643+01	.71080186+00
.60868279+00	.16058981+01	.44628839+00	.10285929+01	.71688811+00
.60999177+00	.16061996+01	.44515117+00	.10323571+01	.72152122+00
.61130057+00	.16065063+01	.44401319+00	.10361806+01	.72621389+00
.61260926+00	.16068181+01	.44287438+00	.10400065+01	.73096797+00
.61391795+00	.16071347+01	.44173466+00	.10440128+01	.73578544+00
.61522665+00	.16074564+01	.44059394+00	.10480251+01	.74066787+00
.61609911+00	.16076736+01	.43983278+00	.10507368+01	.74395974+00
.61697157+00	.16078931+01	.43907110+00	.10534785+01	.74728176+00
.61784404+00	.16081148+01	.43830882+00	.10562510+01	.75063450+00
.61871650+00	.16083389+01	.43754587+00	.10590547+01	.75401849+00

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TABLE 221. (Concluded)

$$M_{\infty} = .79999509+01$$

$$\Theta_s = .52359876+00$$

Θ	M_1^*	ψ_1	x	r
.61958896+00	.16085652+01	.43678226+00	.10618903+01	.75743428+00
.62002520+00	.16086793+01	.43690020+00	.10633202+01	.75915428+00
.62046143+00	.16087939+01	.43691792+00	.10647583+01	.76088247+00
.62089766+00	.16089091+01	.43563551+00	.10662046+01	.76261888+00
.62133389+00	.16090249+01	.43525283+00	.10676594+01	.76436365+00
.62177012+00	.16091413+01	.43487000+00	.10691225+01	.76611678+00
.62220635+00	.16092583+01	.43448695+00	.10705941+01	.76787837+00
.62264258+00	.16093758+01	.43410370+00	.10720743+01	.76964855+00
.62307882+00	.16094940+01	.43372021+00	.10735632+01	.77142731+00
.62351505+00	.16096128+01	.43333648+00	.10750609+01	.77321488+00
.62395128+00	.16097322+01	.43295254+00	.10765674+01	.77501117+00
.62438751+00	.16098522+01	.43256836+00	.10780828+01	.77681638+00
.62482374+00	.16099728+01	.43218397+00	.10796073+01	.77863057+00
.62525997+00	.16100941+01	.43179929+00	.10811409+01	.78045380+00
.62569620+00	.16102159+01	.43141437+00	.10826837+01	.78227614+00
.62613244+00	.16103384+01	.43102918+00	.10842358+01	.78412774+00
.62656867+00	.16104615+01	.43064372+00	.10857973+01	.78597866+00
.62700490+00	.16105852+01	.43025801+00	.10873683+01	.78783896+00
.62744113+00	.16107095+01	.42987202+00	.10889489+01	.78970879+00
.62787736+00	.16108345+01	.42948572+00	.10905391+01	.79158821+00
.62831359+00	.16109601+01	.42909912+00	.10921392+01	.79347735+00
.62874983+00	.16110864+01	.42871227+00	.10937492+01	.79537624+00
.62918606+00	.16112133+01	.42832509+00	.10953691+01	.79728502+00
.62962229+00	.16113408+01	.42793759+00	.10969992+01	.79920379+00
.63005852+00	.16114690+01	.42754978+00	.10986394+01	.80113266+00
.63049475+00	.16115979+01	.42716166+00	.11002900+01	.80307172+00
.63093098+00	.16117274+01	.42677318+00	.11019511+01	.80502108+00
.63136693+00	.16117649+01	.42666094+00	.11024326+01	.80558584+00

$$.18266249+01 = \Delta S/R$$

$$.30165444+02 = P_s/P_{\infty}$$

$$.37184447+01 = \rho_s/\rho_{\infty}$$

$$.81123822+01 = T_s/T_{\infty}$$

TABLE 222. CONICAL FLOWFIELD $\theta_s = 30.0 \text{ DEG}$; $M_\infty = 10.0$

u_s	M_∞	θ_s	θ_w	
.80698091+00	.99999976+01	.52359876+00	.62518789+00	
θ	M_1^*	ψ_1	x	r
.52359876+00	.16139316+01	.52359876+00	.86602539+00	.50000000+00
.52708939+00	.16139510+01	.52012876+00	.87083013+00	.50683517+00
.53058001+00	.16140088+01	.51669855+00	.87577044+00	.51381136+00
.53407064+00	.16141037+01	.51330577+00	.88065177+00	.52093415+00
.53756127+00	.16142348+01	.50994819+00	.88608023+00	.52820965+00
.54105189+00	.16144014+01	.50662367+00	.89146229+00	.53564437+00
.54454252+00	.16146027+01	.50333013+00	.89700472+00	.54324511+00
.54759682+00	.16148068+01	.50004720+00	.90199166+00	.55003770+00
.55065112+00	.16150304+01	.49763491+00	.90711220+00	.55696820+00
.55370542+00	.16152913+01	.49481730+00	.91237187+00	.56404207+00
.55675972+00	.16155713+01	.49201799+00	.91777663+00	.57126523+00
.55981401+00	.16158759+01	.48923575+00	.92333258+00	.57864372+00
.56286831+00	.16162051+01	.48646933+00	.92904641+00	.58618414+00
.56548628+00	.16165666+01	.48416979+00	.93407504+00	.59278151+00
.56810425+00	.16168260+01	.48176022+00	.93922959+00	.59950761+00
.57072222+00	.16171630+01	.47941985+00	.94451511+00	.60636732+00
.57334019+00	.16175178+01	.47708793+00	.94993681+00	.61336578+00
.57595816+00	.16178902+01	.47476368+00	.95550040+00	.62050854+00
.57857613+00	.16182804+01	.47244636+00	.96121186+00	.62780137+00
.58075777+00	.16186190+01	.47051996+00	.96608892+00	.63399781+00
.58293942+00	.16189700+01	.46859738+00	.97107695+00	.64030648+00
.58512106+00	.16193333+01	.46667814+00	.97618005+00	.64673138+00
.58730270+00	.16197091+01	.46476179+00	.98140246+00	.65327659+00
.58948434+00	.16200975+01	.46284784+00	.98674882+00	.65994655+00
.59166598+00	.16204984+01	.46093582+00	.99222394+00	.66674589+00
.593841130+00	.16208283+01	.45940727+00	.99670012+00	.67228176+00
.59515661+00	.16211663+01	.45787939+00	.10012647+01	.67790618+00
.59690172+00	.16215126+01	.45635191+00	.10059205+01	.68362187+00
.59864724+00	.16218672+01	.45482457+00	.10106707+01	.68943176+00
.60039255+00	.16222302+01	.45329709+00	.10155182+01	.69533879+00
.60213786+00	.16226016+01	.45176921+00	.10204666+01	.70134615+00
.60344685+00	.16228858+01	.45062286+00	.10242461+01	.70591950+00
.60475583+00	.16231719+01	.44947600+00	.10280858+01	.71055265+00
.60606483+00	.16234692+01	.44832839+00	.10319866+01	.71524633+00
.60737332+00	.16237686+01	.44717997+00	.10359506+01	.72000250+00
.60868201+00	.16240730+01	.44603065+00	.10399798+01	.72482312+00
.60999071+00	.16243825+01	.44488028+00	.10440759+01	.72970987+00
.61086317+00	.16245916+01	.44411275+00	.10468447+01	.73300534+00
.61173563+00	.16248031+01	.44334465+00	.10496447+01	.73633153+00
.61260810+00	.16250168+01	.44257595+00	.10524764+01	.73968893+00

TABLE 222. (Concluded)

$$M_{\infty} = .99999976+01$$

$$\Theta_s = .52359876+00$$

Θ	M_1^*	ψ_1	x	r
.61348056+00	.16252328+01	.44180658+00	.10553405+01	.74387822+00
.61435302+00	.16254512+01	.44183654+00	.10562376+01	.74649992+00
.61522549+00	.16256720+01	.44026577+00	.10611682+01	.74995466+00
.61566172+00	.16257832+01	.43988013+00	.10626464+01	.75169460+00
.61609795+00	.16258951+01	.43949422+00	.10641332+01	.75344304+00
.61653418+00	.16260076+01	.43910815+00	.10656287+01	.75520005+00
.61697041+00	.16261206+01	.43872182+00	.10671331+01	.75696572+00
.61740664+00	.16262343+01	.43833531+00	.10686463+01	.75874007+00
.61784288+00	.16263486+01	.43794858+00	.10701686+01	.76052329+00
.61827911+00	.16264635+01	.43756159+00	.10716999+01	.76231541+00
.61871534+00	.16265790+01	.43717438+00	.10732404+01	.76411645+00
.61915157+00	.16266951+01	.43678696+00	.10747902+01	.76592658+00
.61958780+00	.16269118+01	.43639927+00	.10763494+01	.76774590+00
.62002403+00	.16269291+01	.43601131+00	.10779180+01	.76957445+00
.62046026+00	.16270471+01	.43562310+00	.10794962+01	.77141241+00
.62089650+00	.16271657+01	.43523461+00	.10810840+01	.77325971+00
.62133273+00	.16272850+01	.43484584+00	.10826816+01	.77511655+00
.62176896+00	.16274049+01	.43445683+00	.10842891+01	.77698304+00
.62220519+00	.16275254+01	.43406750+00	.10859065+01	.77885925+00
.62264142+00	.16276466+01	.43367788+00	.10875341+01	.78074528+00
.62307765+00	.16277684+01	.43328798+00	.10891718+01	.78264122+00
.62351388+00	.16278908+01	.43289775+00	.10908197+01	.78454714+00
.62395012+00	.16280139+01	.43250720+00	.10924781+01	.78646321+00
.62438635+00	.16281377+01	.43211635+00	.10941470+01	.78838953+00
.62482258+00	.16282621+01	.43172516+00	.10958264+01	.79032613+00
.62518789+00	.16283668+01	.43133973+00	.10972411+01	.79195590+00

$$.23706138+01 = \Delta S/R$$

$$.46355504+02 = P_s/P_{\infty}$$

$$.38708885+01 = \rho_s/\rho_{\infty}$$

$$.11975417+02 = T_s/T_{\infty}$$

TABLE 223. CONICAL FLOWFIELD $\theta_s = 30.0$ DEG; $M_\infty = 12.5$

u_s	M_∞	θ_s	θ_w
.81286025+00	.12500000+02	.52359876+00	.62142281+00

θ	M_1^*	ψ_1	x	r
.52359876+00	.16256900+01	.52359876+00	.86602539+00	.50000000+00
.52708939+00	.16257097+01	.52012876+00	.87100163+00	.50693499+00
.53058001+00	.16257678+01	.51669844+00	.87612081+00	.51401693+00
.53407064+00	.16258634+01	.51330541+00	.88138891+00	.52125181+00
.53756127+00	.16259956+01	.50994736+00	.88681248+00	.52864616+00
.54105189+00	.16261634+01	.50662206+00	.89239845+00	.53620687+00
.54454252+00	.16263662+01	.50332737+00	.89815436+00	.54394135+00
.54759682+00	.16265718+01	.50046798+00	.90333631+00	.55085767+00
.55065112+00	.16268033+01	.49762907+00	.90866017+00	.55791865+00
.55370542+00	.16270604+01	.49480930+00	.91413181+00	.56513009+00
.55675972+00	.16273426+01	.49200736+00	.91975775+00	.57249836+00
.55981401+00	.16276499+01	.48922195+00	.92554475+00	.58003008+00
.56286831+00	.16279820+01	.48645181+00	.93150017+00	.58773234+00
.56548628+00	.16282863+01	.48408859+00	.93674468+00	.59447572+00
.56810425+00	.16286086+01	.48173485+00	.94212383+00	.60135499+00
.57072222+00	.16289489+01	.47938979+00	.94764313+00	.60837547+00
.57334019+00	.16293072+01	.47705262+00	.95330841+00	.61554280+00
.57595816+00	.16296834+01	.47472253+00	.95912591+00	.62286297+00
.57857613+00	.16300777+01	.47239871+00	.96510220+00	.63034229+00
.58075777+00	.16304200+01	.47004664+00	.97020893+00	.63670157+00
.58293942+00	.16307749+01	.46853739+00	.97543518+00	.64318020+00
.58512106+00	.16311425+01	.46661121+00	.98078548+00	.64978253+00
.58730270+00	.16315227+01	.46468735+00	.98626468+00	.65651315+00
.58948434+00	.16319158+01	.46276532+00	.99187795+00	.66337696+00
.59166598+00	.16323217+01	.46084461+00	.99763062+00	.67037903+00
.59341130+00	.16326559+01	.45930863+00	.10023367+01	.67608384+00
.59515661+00	.16329984+01	.45777288+00	.10071393+01	.68188354+00
.59690192+00	.16333494+01	.45623709+00	.10120407+01	.68778116+00
.59864724+00	.16337089+01	.45470095+00	.10170449+01	.69377994+00
.60039255+00	.16340771+01	.45316418+00	.10221552+01	.69988322+00
.60213786+00	.16344540+01	.45162648+00	.10273756+01	.70609456+00
.60344656+00	.16347430+01	.45009722+00	.10313645+01	.71082518+00
.60475525+00	.16350371+01	.44931714+00	.10354193+01	.71562026+00
.60606395+00	.16353362+01	.44816111+00	.10395417+01	.72048157+00
.60737264+00	.16356404+01	.44700397+00	.10437337+01	.72541083+00
.60868134+00	.16359498+01	.44584558+00	.10479972+01	.73040985+00
.60999003+00	.16362644+01	.44468579+00	.10523343+01	.73548064+00
.61086249+00	.16364771+01	.44391175+00	.10552676+01	.73890200+00
.61173496+00	.16366922+01	.44313696+00	.10582352+01	.74235673+00
.61260742+00	.16369097+01	.44236140+00	.10612378+01	.74584544+00

TABLE 223. (Concluded)

$$M_{\infty} = .12500000+02$$

$$\Theta_s = .52359876+00$$

θ	M_1^*	ψ_1	x	r
.61347988+00	.16371296+01	.44158501+00	.10642761+01	.74936881+00
.61435235+00	.16373519+01	.44080774+00	.10673508+01	.75292746+00
.61522481+00	.16375767+01	.44002957+00	.10704627+01	.75652219+00
.61566104+00	.16376900+01	.43964010+00	.10720328+01	.75833327+00
.61609727+00	.16378040+01	.43925039+00	.10736124+01	.76015356+00
.61653350+00	.16379186+01	.43886041+00	.10752017+01	.76198326+00
.61696973+00	.16380338+01	.43847016+00	.10768009+01	.76382241+00
.61740597+00	.16381496+01	.43807966+00	.10784098+01	.76567110+00
.61784220+00	.16382661+01	.43768888+00	.10800288+01	.76752940+00
.61827843+00	.16383832+01	.43729784+00	.10816578+01	.76939748+00
.61871466+00	.16385010+01	.43690646+00	.10832970+01	.77127536+00
.61915089+00	.16386194+01	.43651483+00	.10849466+01	.77316321+00
.61958712+00	.16387384+01	.43612286+00	.10866065+01	.77506109+00
.62002335+00	.16388582+01	.43573061+00	.10882770+01	.77696913+00
.62045959+00	.16389785+01	.43533800+00	.10899581+01	.77888741+00
.62089582+00	.16390996+01	.43494509+00	.10916500+01	.78081603+00
.62133205+00	.16392213+01	.43455184+00	.10933527+01	.78275514+00
.62142281+00	.16392467+01	.43446998+00	.10937084+01	.78315989+00

$$.29552608+01 = \Delta S/R$$

$$.71651783+02 = P_s/P_{\infty}$$

$$.39784798+01 = \rho_s/\rho_{\infty}$$

$$.18009840+02 = T_s/T_{\infty}$$

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CLASSIFICATION

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TABLE 224. CONICAL FLOWFIELD $\theta_s = 30.0$ DEG; $M_\infty = 15.0$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.81609394+00	.14999987+02	.52359876+00	.61937439+00	
$\underline{\theta}$	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.52359876+00	.16321573+01	.52359876+00	.86602539+00	.50000000+00
.52708939+00	.16321770+01	.52012875+00	.87109882+00	.50699155+00
.53058001+00	.16322355+01	.51669838+00	.87631946+00	.51413347+00
.53407064+00	.16323314+01	.51330521+00	.88169356+00	.52143198+00
.53756127+00	.16324642+01	.50994688+00	.88722800+00	.52889386+00
.54105189+00	.16326327+01	.50662114+00	.89293006+00	.53652629+00
.54454252+00	.16328363+01	.50332578+00	.89880751+00	.54433692+00
.54759682+00	.16330428+01	.50046561+00	.90410064+00	.55132376+00
.55065112+00	.16332753+01	.49762569+00	.90954044+00	.55845913+00
.55370542+00	.16335335+01	.49480467+00	.91513318+00	.56574915+00
.55675972+00	.16338171+01	.49200121+00	.92088556+00	.57320037+00
.55981401+00	.16341259+01	.48921398+00	.92680482+00	.58081974+00
.56286831+00	.16344596+01	.48644168+00	.93289854+00	.58861465+00
.56548628+00	.16347654+01	.48407632+00	.93826687+00	.59544172+00
.56810425+00	.16350894+01	.48172016+00	.94377498+00	.60240892+00
.57072222+00	.16354315+01	.47937237+00	.94942863+00	.60952175+00
.57334019+00	.16357917+01	.47703215+00	.95523401+00	.61678614+00
.57595816+00	.16361701+01	.47469867+00	.96119775+00	.62420844+00
.57857613+00	.16365667+01	.47237108+00	.96732689+00	.63179531+00
.58075777+00	.16369111+01	.47043532+00	.97256621+00	.63824854+00
.58293942+00	.16372682+01	.46850257+00	.97793011+00	.64482530+00
.58512106+00	.16376381+01	.46657234+00	.98342346+00	.65153023+00
.58730270+00	.16380209+01	.46464412+00	.98905143+00	.65836817+00
.58948434+00	.16384166+01	.46271738+00	.99481944+00	.66534425+00
.59166598+00	.16388254+01	.46079158+00	.10007333+01	.67246393+00
.59341130+00	.16391620+01	.45925126+00	.10055734+01	.67826685+00
.59515661+00	.16395270+01	.45771091+00	.10105140+01	.68416842+00
.59690192+00	.16398607+01	.45617025+00	.10155587+01	.69017193+00
.59864724+00	.16402231+01	.45462876+00	.10207109+01	.69628072+00
.60039255+00	.16405942+01	.45308675+00	.10259746+01	.70249841+00
.60213748+00	.16409750+01	.45154302+00	.10313527+01	.70882738+00
.60344617+00	.16412665+01	.45038422+00	.10354647+01	.71365046+00
.60475487+00	.16415630+01	.44922444+00	.10396460+01	.71854088+00
.60606356+00	.16418647+01	.44806349+00	.10438984+01	.72350044+00
.60737225+00	.16421717+01	.44690123+00	.10482240+01	.72853104+00
.60868095+00	.16424840+01	.44573750+00	.10526251+01	.73363473+00
.60998964+00	.16428016+01	.44457216+00	.10571038+01	.73881349+00
.61086211+00	.16430164+01	.44379429+00	.10601338+01	.74230874+00
.61173457+00	.16432336+01	.44301557+00	.10632001+01	.74583901+00
.61260703+00	.16434532+01	.44223595+00	.10663034+01	.74940496+00

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TABLE 224. (Concluded)

$$M_{\infty} = .14999987+02$$

$$\Theta_s = .52359876+00$$

Θ	M_1^*	ψ_1	\underline{x}	\underline{r}
.61347950+00	.16436753+01	.44145540+00	.10694445+01	.75300732+00
.61435196+00	.16438999+01	.44067387+00	.10726240+01	.75664668+00
.61522442+00	.16441271+01	.43989129+00	.10758428+01	.76032384+00
.61566065+00	.16442416+01	.43949956+00	.10774673+01	.76217689+00
.61609688+00	.16443568+01	.43910763+00	.10791018+01	.76403964+00
.61653312+00	.16444726+01	.43871535+00	.10807467+01	.76591225+00
.61696935+00	.16445890+01	.43832279+00	.10824018+01	.76779475+00
.61740558+00	.16447062+01	.43792992+00	.10840674+01	.76968734+00
.61784181+00	.16448239+01	.43753675+00	.10857437+01	.77159011+00
.61827804+00	.16449423+01	.43714326+00	.10874306+01	.77350308+00
.61871427+00	.16450614+01	.43674943+00	.10891283+01	.77542645+00
.61915050+00	.16451812+01	.43635529+00	.10908370+01	.77736026+00
.61937439+00	.16452429+01	.43615287+00	.10917182+01	.77835686+00

$$.34545658+01 = \Delta S/R$$

$$.10256928+03 = P_s/P_{\infty}$$

$$.40406263+01 = \rho_s/\rho_{\infty}$$

$$.25384500+02 = T_s/T_{\infty}$$



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TABLE 225. CONICAL FLOWFIELD $\theta_s = 30.0 \text{ DEG}$; $M_\infty = 17.5$

u_s	M_∞	θ_s	θ_w	
.81805773+00	.17499974+02	.52359876+00	.61813819+00	
θ	M_1^*	ψ_1	x	r
.52359876+00	.16360848+01	.52359876+00	.86602539+00	.50000000+00
.52665306+00	.16360999+01	.52056027+00	.87050913+00	.50613999+00
.52970736+00	.16361449+01	.51755236+00	.87510701+00	.51239612+00
.53276166+00	.16362189+01	.51457335+00	.87982328+00	.51877262+00
.53581595+00	.16363213+01	.51162163+00	.88466255+00	.52527402+00
.53887025+00	.16364515+01	.50869564+00	.88962972+00	.53190514+00
.54192455+00	.16366091+01	.50579386+00	.89472993+00	.53867100+00
.54497885+00	.16367934+01	.50291484+00	.89996866+00	.54557699+00
.54759682+00	.16369725+01	.50046413+00	.90457363+00	.55161220+00
.55021479+00	.16371707+01	.49802819+00	.90928854+00	.55775829+00
.55283276+00	.16373879+01	.49560617+00	.91411751+00	.56401926+00
.55545073+00	.16376239+01	.49319720+00	.91906469+00	.57039919+00
.55806870+00	.16378785+01	.49080046+00	.92413479+00	.57690255+00
.56068667+00	.16381516+01	.48841507+00	.92933258+00	.58353398+00
.56330464+00	.16384431+01	.48604023+00	.93466315+00	.59029836+00
.56548628+00	.16387000+01	.48406865+00	.93921069+00	.59604069+00
.56766792+00	.16389696+01	.48210333+00	.94385748+00	.60188212+00
.56984957+00	.16392518+01	.48014379+00	.94860700+00	.60782593+00
.57203121+00	.16395467+01	.47818955+00	.95346296+00	.61387568+00
.57421285+00	.16398542+01	.47624013+00	.95842911+00	.62003494+00
.57639449+00	.16401744+01	.47429503+00	.96350963+00	.62630767+00
.57857613+00	.16405074+01	.47235377+00	.96870865+00	.63269779+00
.58032145+00	.16407829+01	.47080319+00	.97295632+00	.63789737+00
.58206676+00	.16410666+01	.46925449+00	.97728515+00	.64317711+00
.58381207+00	.16413585+01	.46770740+00	.98169771+00	.64853945+00
.58555739+00	.16416587+01	.46616166+00	.98619664+00	.65398585+00
.58730270+00	.16419672+01	.46461701+00	.99078477+00	.65952198+00
.58904801+00	.16422840+01	.46307317+00	.99546494+00	.66514753+00
.59079333+00	.16426093+01	.46152986+00	.10002402+01	.67086633+00
.59210231+00	.16428589+01	.46003725+00	.10038861+01	.67521850+00
.59341130+00	.16431132+01	.45921526+00	.10075886+01	.67962610+00
.59472028+00	.16433724+01	.45805787+00	.10113492 01	.68409054+00
.59602927+00	.16436364+01	.45690023+00	.10151696+01	.68861324+00
.59733825+00	.16439054+01	.45574225+00	.10190513+01	.69319570+00
.59864724+00	.16441793+01	.45458376+00	.10229958+01	.69783938+00
.59995613+00	.16444584+01	.45342458+00	.10270046+01	.70254552+00
.60082859+00	.16446475+01	.45265129+00	.10297136+01	.70571823+00
.60170105+00	.16448385+01	.45187762+00	.10324526+01	.70892006+00
.60257351+00	.16450324+01	.45110352+00	.10352221+01	.71215153+00
.60344598+00	.16452284+01	.45032898+00	.10380229+01	.71541326+00

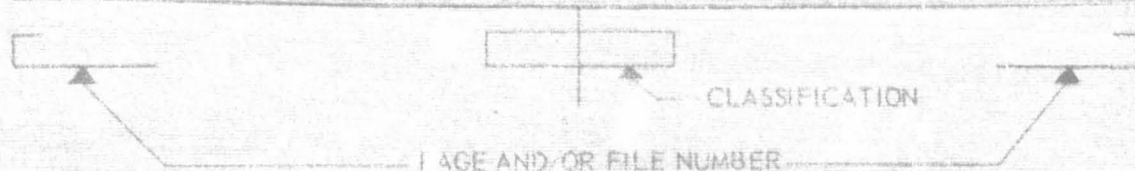

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TABLE 225. (Concluded)

$$M_{\infty} = .17499974+02$$

$$\Theta_s = .52359876+00$$

Θ	M_1^*	ψ_1	x	r
.60431844+00	.16454265+01	.44955374+00	.10408554+01	.71870574+00
.60519090+00	.16456271+01	.44877835+00	.10437203+01	.72202951+00
.60606337+00	.16458299+01	.44800217+00	.10466181+01	.72538513+00
.60649960+00	.16459322+01	.44761304+00	.10480796+01	.72707509+00
.60693583+00	.16460351+01	.44722533+00	.10495496+01	.72877326+00
.60737206+00	.16461386+01	.44683667+00	.10510282+01	.73047968+00
.60780829+00	.16462427+01	.44644782+00	.10525154+01	.73219446+00
.60824452+00	.16463474+01	.44605879+00	.10540114+01	.73391764+00
.60868075+00	.16464527+01	.44566957+00	.10555162+01	.73564935+00
.60911699+00	.16465585+01	.44528015+00	.10570299+01	.73738964+00
.60955322+00	.16466651+01	.44489054+00	.10585525+01	.73913855+00
.60998945+00	.16467721+01	.44450071+00	.10600843+01	.74089626+00
.61042568+00	.16468799+01	.44411067+00	.10616253+01	.74266278+00
.61086191+00	.16469882+01	.44372041+00	.10631755+01	.74443823+00
.61129814+00	.16470971+01	.44332992+00	.10647351+01	.74622265+00
.61173438+00	.16472067+01	.44293919+00	.10663041+01	.74801618+00
.61217061+00	.16473169+01	.44254823+00	.10678828+01	.74981889+00
.61260684+00	.16474277+01	.44215703+00	.10694711+01	.75163090+00
.61304307+00	.16475391+01	.44176557+00	.10710691+01	.75345225+00
.61347930+00	.16476512+01	.44137385+00	.10726771+01	.75528307+00
.61391553+00	.16477639+01	.44098186+00	.10742950+01	.75712346+00
.61435176+00	.16478772+01	.44058961+00	.10759230+01	.75897349+00
.61478800+00	.16479912+01	.44019707+00	.10775611+01	.76083326+00
.61522423+00	.16481058+01	.43980427+00	.10792096+01	.76270289+00
.61566046+00	.16482211+01	.43941114+00	.10808684+01	.76458246+00
.61609669+00	.16483370+01	.43901774+00	.10825378+01	.76647209+00
.61653292+00	.16484536+01	.43862399+00	.10842177+01	.76837184+00
.61696915+00	.16485709+01	.43822995+00	.10859084+01	.77028184+00
.61740538+00	.16486888+01	.43783560+00	.10876100+01	.77220225+00
.61784162+00	.16488073+01	.43744089+00	.10893226+01	.77413315+00
.61813819+00	.16488883+01	.43717239+00	.10904932+01	.77545188+00

$$.38877034+01 = \Delta S/R$$

$$.13910789+03 = P_s/P_{\infty}$$

$$.40794520+01 = \rho_s/\rho_{\infty}$$

$$.34099652+02 = T_s/T_{\infty}$$

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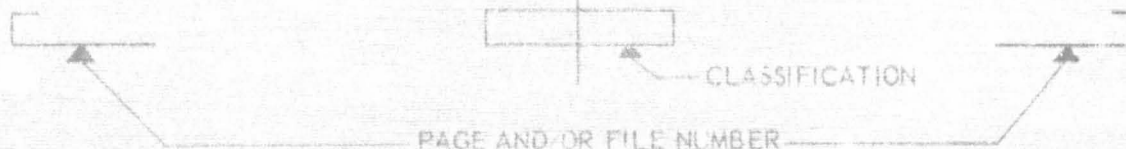
EXTREME LIMIT

CLASSIFICATION

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TABLE 226. CONICAL FLOWFIELD $\theta_s = 30.0 \text{ DEG}$; $M_\infty = 20.0$

u_s	M_∞	θ_s	θ_w	
.81933795+00	.19999998+02	.52359876+00	.61733530+00	
θ	M_1^*	ψ_1	x	r
.52359876+00	.16386452+01	.52359876+00	.86602539+00	.50000000+00
.52665306+00	.16386604+01	.52056027+00	.87054369+00	.50616008+00
.52970736+00	.16387054+01	.51755235+00	.87517741+00	.51243734+00
.53276166+00	.16387795+01	.51457330+00	.87993100+00	.51863614+00
.53581595+00	.16388821+01	.51162150+00	.88480908+00	.52536102+00
.53887025+00	.16390125+01	.50869538+00	.88981668+00	.53201692+00
.54192455+00	.16391703+01	.50579342+00	.89495898+00	.53880890+00
.54497885+00	.16393550+01	.50291414+00	.90024161+00	.54574245+00
.54759682+00	.16395344+01	.50046314+00	.90488572+00	.55180251+00
.55021479+00	.16397329+01	.49802686+00	.90964125+00	.55797464+00
.55283276+00	.16399505+01	.49560440+00	.91451238+00	.56426290+00
.55545073+00	.16401869+01	.49319494+00	.91950338+00	.57067145+00
.55806870+00	.16404420+01	.49079759+00	.92461904+00	.57720485+00
.56068667+00	.16407156+01	.48841151+00	.92986423+00	.58386780+00
.56330464+00	.16410076+01	.48603587+00	.93524416+00	.59066530+00
.56548628+00	.16412650+01	.48406354+00	.93983433+00	.59643646+00
.56766792+00	.16415351+01	.48209739+00	.94452527+00	.60230795+00
.56984957+00	.16418180+01	.48013693+00	.94932053+00	.60828313+00
.57203121+00	.16421135+01	.47818168+00	.95422386+00	.61436558+00
.57421285+00	.16424217+01	.47623115+00	.95923919+00	.62055900+00
.57639449+00	.16427427+01	.47428484+00	.96437076+00	.62686742+00
.57857613+00	.16430764+01	.47234226+00	.96962277+00	.63329484+00
.58032145+00	.16433525+01	.47079054+00	.97391428+00	.63852543+00
.58206676+00	.16436369+01	.46924061+00	.97828834+00	.64383733+00
.58381207+00	.16439296+01	.46769223+00	.98274755+00	.64923301+00
.58555739+00	.16442306+01	.46614511+00	.98729466+00	.65471499+00
.58730270+00	.16445399+01	.46459898+00	.99193248+00	.66028596+00
.58904801+00	.16448576+01	.46305357+00	.99666404+00	.66594873+00
.59079333+00	.16451838+01	.46150859+00	.10014924+01	.67170618+00
.59210231+00	.16454341+01	.46003497+00	.10051793+01	.67608833+00
.59341130+00	.16456892+01	.45919131+00	.10089238+01	.68052673+00
.59472028+00	.16459491+01	.45803247+00	.10127276+01	.68502290+00
.59602927+00	.16462140+01	.45687334+00	.10165924+01	.68957834+00
.59733825+00	.16464838+01	.45571379+00	.10205195+01	.69419444+00
.59864724+00	.16467586+01	.45455367+00	.10245108+01	.69887281+00
.59995593+00	.16470389+01	.45339265+00	.10285671+01	.70361403+00
.60082839+00	.16472286+01	.45261817+00	.10313088+01	.70681119+00
.60170086+00	.16474206+01	.45184329+00	.10340812+01	.71003801+00
.60257332+00	.16476149+01	.45106795+00	.10368847+01	.71329501+00
.60344578+00	.16478114+01	.45029213+00	.10397202+01	.71658275+00


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TABLE 226. (Concluded)

$$M_{\infty} = .19999998+02$$

$$\Theta_s = .523598/6+00$$

Θ	M_1^*	ψ_1	x	r
.60431825+00	.16480103+01	.44951577+00	.10425880+01	.71990176+00
.60519071+00	.16482116+01	.44873882+00	.10454888+01	.72325265+00
.60606317+00	.16484151+01	.44796125+00	.10484233+01	.72663599+00
.60649940+00	.16485178+01	.44757220+00	.10499034+01	.72834001+00
.60693564+00	.16486211+01	.44718298+00	.10513922+01	.73005238+00
.60737187+00	.16487250+01	.44679359+00	.10528897+01	.73177313+00
.60780810+00	.16488294+01	.44640400+00	.10543960+01	.73350244+00
.60824433+00	.16489345+01	.44601422+00	.10559114+01	.73524033+00
.60868056+00	.16490402+01	.44562423+00	.10574357+01	.73698688+00
.60911679+00	.16491465+01	.44523405+00	.10589691+01	.73874217+00
.60955302+00	.16492534+01	.44484364+00	.10605117+01	.74050628+00
.60998926+00	.16493609+01	.44445302+00	.10620637+01	.74227933+00
.61042549+00	.16494691+01	.44406217+00	.10636250+01	.74406138+00
.61086172+00	.16495778+01	.44367109+00	.10651958+01	.74585249+00
.61129795+00	.16496872+01	.44327978+00	.10667761+01	.74765281+00
.61173418+00	.16497972+01	.44288822+00	.10683662+01	.74946241+00
.61217041+00	.16499078+01	.44249641+00	.10699660+01	.75128135+00
.61260664+00	.16500191+01	.44210435+00	.10715757+01	.75310971+00
.61304288+00	.16501310+01	.44171201+00	.10731954+01	.75494768+00
.61347911+00	.16502435+01	.44131941+00	.10748252+01	.75679530+00
.61391534+00	.16503567+01	.44092653+00	.10764652+01	.75865265+00
.61435157+00	.16504705+01	.44053335+00	.10781155+01	.76051984+00
.61478780+00	.16505850+01	.44013991+00	.10797762+01	.76239698+00
.61522403+00	.16507001+01	.43974617+00	.10814475+01	.76428419+00
.61566027+00	.16508159+01	.43935207+00	.10831294+01	.76618152+00
.61609650+00	.16509323+01	.43895771+00	.10848221+01	.76808912+00
.61653273+00	.16510494+01	.43856301+00	.10865256+01	.77000710+00
.61696896+00	.16511672+01	.43816797+00	.10882402+01	.77193554+00
.61733530+00	.16512666+01	.43783596+00	.10896886+01	.77356322+00

$$.42690343+01 = \Delta S/R$$

$$.18126853+03 = P_s/P_{\infty}$$

$$.41052242+01 = \rho_s/\rho_{\infty}$$

$$.44155573+02 = T_s/T_{\infty}$$

TABLE 227. CONICAL FLOWFIELD $\theta_s = 30.0 \text{ DEG}$; $M_\infty = 22.5$

u_s	M_∞	θ_s	θ_w	
.82021821+00	.22499995+02	.52359876+00	.61678468+00	
θ	M_1^*	ψ_1	x	r
.52359876+00	.16404057+01	.52359876+00	.86602539+00	.50000000+00
.52665306+00	.16404209+01	.52056027+00	.87056757+00	.50617396+00
.52970736+00	.16404659+01	.51755233+00	.87522618+00	.51246589+00
.53276166+00	.16405401+01	.51457325+00	.88000564+00	.51888015+00
.53581595+00	.16406428+01	.51162140+00	.88491067+00	.52542134+00
.53887025+00	.16407734+01	.50869519+00	.88994636+00	.53209445+00
.54192455+00	.16409314+01	.50579311+00	.89511791+00	.53890458+00
.54497885+00	.16411163+01	.50291365+00	.90043101+00	.54585727+00
.54759682+00	.16412958+01	.50046245+00	.90510228+00	.55193456+00
.55021479+00	.16414946+01	.49802592+00	.90988598+00	.55812476+00
.55283276+00	.16417125+01	.49560318+00	.91478636+00	.56443195+00
.55545073+00	.16419492+01	.49319336+00	.91980780+00	.57086039+00
.55806870+00	.16422046+01	.49079559+00	.92495510+00	.57741464+00
.56068667+00	.16424786+01	.48840943+00	.93023318+00	.58409947+00
.56330464+00	.16427710+01	.48603284+00	.93564736+00	.59091995+00
.56548628+00	.16430287+01	.48405999+00	.94026724+00	.59671120+00
.56766792+00	.16432992+01	.48209325+00	.94498889+00	.60260360+00
.56984957+00	.16435825+01	.48013216+00	.94981595+00	.60860057+00
.57203121+00	.16438784+01	.47817621+00	.95475224+00	.61470576+00
.57421285+00	.16441871+01	.47622490+00	.95980179+00	.62092296+00
.57639449+00	.16445086+01	.47427774+00	.96496883+00	.62725618+00
.57857613+00	.16448428+01	.47233424+00	.97025769+00	.63370952+00
.58032145+00	.16451195+01	.47078172+00	.97457969+00	.63896170+00
.58206676+00	.16454044+01	.46923095+00	.97898521+00	.64429597+00
.58381207+00	.16456975+01	.46768165+00	.98347691+00	.64971484+00
.58555739+00	.16459990+01	.46613357+00	.98805752+00	.65522088+00
.58730270+00	.16463089+01	.46458641+00	.99272995+00	.66081680+00
.58904801+00	.16466273+01	.46303991+00	.99749734+00	.66650552+00
.59079333+00	.16469541+01	.46149378+00	.10023627+01	.67228992+00
.59210231+00	.16472048+01	.46003342+00	.10060782+01	.67669296+00
.59341130+00	.16474604+01	.45917460+00	.10098521+01	.68115290+00
.59472028+00	.16477209+01	.45801477+00	.10136861+01	.68567123+00
.59602927+00	.16479864+01	.45685460+00	.10175818+01	.69024949+00
.59733825+00	.16482567+01	.45569394+00	.10215407+01	.69488908+00
.59864714+00	.16485323+01	.45453261+00	.10255643+01	.69959132+00
.59995583+00	.16488133+01	.45337040+00	.10296541+01	.70435749+00
.60082830+00	.16490034+01	.45259511+00	.10324186+01	.70757168+00
.60170076+00	.16491958+01	.45181937+00	.10352142+01	.71081588+00
.60257322+00	.16493906+01	.45104316+00	.10380416+01	.71409067+00
.60344569+00	.16495876+01	.45026644+00	.10409011+01	.71739651+00

TABLE 227. (Concluded)

$$M_{\infty} = .22499995+02$$

$$\Theta_s = .52359876+00$$

Θ	M_1^*	ψ_1	x	r
.60431815+00	.16497870+01	.44948917+00	.10437935+01	.72073406+00
.60519061+00	.16499887+01	.44871128+00	.10467195+01	.72410385+00
.60606308+00	.16501928+01	.44793272+00	.10496796+01	.72750653+00
.60649931+00	.16502958+01	.44754318+00	.10511727+01	.72922041+00
.60693554+00	.16503993+01	.44715346+00	.10526746+01	.73094267+00
.60737177+00	.16505035+01	.44676355+00	.10541854+01	.73267353+00
.60780800+00	.16506082+01	.44637343+00	.10557052+01	.73441299+00
.60824423+00	.16507136+01	.44598313+00	.10572340+01	.73616113+00
.60868046+00	.16508196+01	.44559261+00	.10587720+01	.73791805+00
.60911670+00	.16509261+01	.44520188+00	.10603192+01	.73968384+00
.60955293+00	.16510333+01	.44481093+00	.10618757+01	.74145852+00
.60998916+00	.16511411+01	.44441976+00	.10634417+01	.74324228+00
.61042539+00	.16512495+01	.44402835+00	.10650173+01	.74503520+00
.61086162+00	.16513586+01	.44363671+00	.10666024+01	.74683727+00
.61129785+00	.16514683+01	.44324481+00	.10681972+01	.74864864+00
.61173408+00	.16515786+01	.44285266+00	.10698019+01	.75046943+00
.61217032+00	.16516895+01	.44246026+00	.10714166+01	.75229970+00
.61260655+00	.16518011+01	.44206759+00	.10730413+01	.75413958+00
.61304278+00	.16519134+01	.44167464+00	.10746761+01	.75598915+00
.61347901+00	.16520262+01	.44128142+00	.10763212+01	.75784849+00
.61391524+00	.16521397+01	.44088790+00	.10779766+01	.75971767+00
.61435147+00	.16522539+01	.44049409+00	.10796426+01	.76159689+00
.61478771+00	.16523686+01	.44010998+00	.10813190+01	.76348615+00
.61522394+00	.16524841+01	.43972559+00	.10830063+01	.76538565+00
.61566017+00	.16526002+01	.43934083+00	.10847043+01	.76729542+00
.61609640+00	.16527170+01	.43895580+00	.10864133+01	.76921559+00
.61653263+00	.16528345+01	.43857041+00	.10881334+01	.77114632+00
.61678468+00	.16529526+01	.43829180+00	.10891322+01	.77226668+00

$$.46090600+01 = \Delta S/R$$

$$.22905009+03 = P_s/P_{\infty}$$

$$.41231601+01 = \rho_s/\rho_{\infty}$$

$$.55552073+02 = T_s/T_{\infty}$$

TABLE 228. CONICAL FLOWFIELD $\theta_s = 30.0 \text{ DEG}$; $M_\infty = 25.0$

$\frac{u}{s}$	$\frac{M}{\infty}$	$\frac{\theta}{s}$	$\frac{\theta}{w}$	
.82084916+00	.24999879+02	.52359876+00	.61639069+00	
$\frac{\theta}{s}$	$\frac{M}{1}$	$\frac{\psi}{1}$	$\frac{x}{s}$	$\frac{r}{s}$
.52359876+00	.16416675+01	.52359876+00	.86602539+00	.50000000+00
.52665306+00	.16416828+01	.52056027+00	.87058479+00	.50618397+00
.52970736+00	.16417279+01	.51755232+00	.87526131+00	.51248647+00
.53276166+00	.16418021+01	.51457322+00	.88005938+00	.51891183+00
.53581595+00	.16419049+01	.51162133+00	.88498377+00	.52546475+00
.53887025+00	.16420355+01	.50869507+00	.89003957+00	.53215018+00
.54192455+00	.16421936+01	.50579289+00	.89523210+00	.53897333+00
.54497885+00	.16423787+01	.50291330+00	.90056714+00	.54593980+00
.54759682+00	.16425584+01	.50046196+00	.90525798+00	.55202951+00
.55021479+00	.16427574+01	.49802525+00	.91006202+00	.55823274+00
.55283276+00	.16429754+01	.49560229+00	.91498355+00	.56455362+00
.55545073+00	.16432123+01	.49319221+00	.92002692+00	.57099637+00
.55806870+00	.16434679+01	.49079415+00	.92519699+00	.57756564+00
.56068667+00	.16437422+01	.48840725+00	.93049882+00	.58426627+00
.56330464+00	.16440349+01	.48603065+00	.93593773+00	.59110334+00
.56548628+00	.16442929+01	.48405742+00	.94057899+00	.59690904+00
.56766792+00	.16445636+01	.48209027+00	.94532286+00	.60281657+00
.56984957+00	.16448472+01	.48012871+00	.95017292+00	.60882930+00
.57203121+00	.16451435+01	.47817224+00	.95513300+00	.61495091+00
.57421285+00	.16454525+01	.47622038+00	.96020724+00	.62118526+00
.57639449+00	.16457743+01	.47427262+00	.96539987+00	.62753637+00
.57857613+00	.16461090+01	.47232844+00	.97071534+00	.63400843+00
.58032145+00	.16463859+01	.47077534+00	.97505939+00	.63927620+00
.58206676+00	.16466712+01	.46922395+00	.97948770+00	.64462667+00
.58381207+00	.16469647+01	.46767401+00	.98400284+00	.65006229+00
.58555739+00	.16472666+01	.46612522+00	.98860773+00	.65558575+00
.58730270+00	.16475769+01	.46457732+00	.99330524+00	.66119975+00
.58904801+00	.16478957+01	.46303003+00	.99809849+00	.66690720+00
.59079333+00	.16482230+01	.46148304+00	.10029906+01	.67271106+00
.59210231+00	.16484741+01	.46003228+00	.10067268+01	.67712917+00
.59341130+00	.16487300+01	.45916252+00	.10105219+01	.68160465+00
.59472028+00	.16489909+01	.45800196+00	.10143776+01	.68613899+00
.59602927+00	.16492568+01	.45684101+00	.10182956+01	.69073369+00
.59733825+00	.16495276+01	.45567957+00	.10222775+01	.69539030+00
.59864704+00	.16498037+01	.45451735+00	.10263244+01	.70010970+00
.59995574+00	.16500852+01	.45335428+00	.10304385+01	.70489394+00
.60082820+00	.16502756+01	.45257838+00	.10332196+01	.70812050+00
.60170066+00	.16504684+01	.45180204+00	.10360321+01	.71137727+00
.60257313+00	.16506635+01	.45102520+00	.10388765+01	.71466491+00
.60344559+00	.16508609+01	.45024783+00	.10417537+01	.71798398+00

(Concluded)

$$\Theta_s = .52359876 + j0$$

Θ	M_1^*	ψ_1	\underline{x}	\underline{r}
.60431805+00	.16510606+01	.44946989+00	.10446640+01	.72133493+00
.60519052+00	.16512627+01	.44869130+00	.10476081+01	.72471845+00
.60606298+00	.16514671+01	.44791204+00	.10505868+01	.72813514+00
.60649921+00	.16515703+01	.44752214+00	.10520093+01	.72985008+00
.60693544+00	.16516740+01	.44713206+00	.10536007+01	.73158561+00
.60737167+00	.16517783+01	.44674177+00	.10551211+01	.73332370+00
.60780790+00	.16518833+01	.44635129+00	.10566505+01	.73507050+00
.60824414+00	.16519888+01	.44596060+00	.10581892+01	.73682611+00
.60868037+00	.16520950+01	.44556969+00	.10597370+01	.73859050+00
.60911660+00	.16522018+01	.44517858+00	.10612943+01	.74036390+00
.60955283+00	.16523092+01	.44478723+00	.10628610+01	.74214634+00
.60998906+00	.16524172+01	.44439565+00	.10644372+01	.74393789+00
.61042529+00	.16525258+01	.44400383+00	.10660230+01	.74573860+00
.61086152+00	.16526351+01	.44361176+00	.10676186+01	.74754865+00
.61129776+00	.16527450+01	.44321945+00	.10692240+01	.74936810+00
.61173399+00	.16528556+01	.44282687+00	.10708393+01	.75119703+00
.61217022+00	.16529667+01	.44243404+00	.10724647+01	.75303550+00
.61260645+00	.16530785+01	.44204093+00	.10741003+01	.75488371+00
.61304268+00	.16531910+01	.44164754+00	.10757461+01	.75674167+00
.61347891+00	.16533041+01	.44125387+00	.10774023+01	.75860954+00
.61391515+00	.16534178+01	.44085990+00	.10790690+01	.76048739+00
.61435138+00	.16535322+01	.44046563+00	.10807463+01	.76237530+00
.61478761+00	.16536473+01	.44007105+00	.10824342+01	.76427339+00
.61522384+00	.16537630+01	.43967616+00	.10841330+01	.76618180+00
.61566007+00	.16538793+01	.43928098+00	.10858428+01	.76810057+00
.61609630+00	.16539964+01	.43888542+00	.10875635+01	.77002985+00
.61653253+00	.16541142+01	.43848947+00	.10892948+01	.77196978+00
.61696876+00	.16542326+01	.43809312+00	.10910367+01	.77392040+00
.61740500+00	.16543516+01	.43769637+00	.10927892+01	.77588171+00
.61784123+00	.16544712+01	.43729922+00	.10945523+01	.77785382+00
.61827746+00	.16545914+01	.43690167+00	.10963260+01	.77983673+00
.61871370+00	.16547122+01	.43650372+00	.10981103+01	.78183044+00
.61914993+00	.16548336+01	.43610537+00	.10999053+01	.78383495+00
.61958616+00	.16549556+01	.43570662+00	.11017109+01	.78585026+00
.62002240+00	.16550782+01	.43530747+00	.11035271+01	.78787637+00
.62045863+00	.16552014+01	.43490792+00	.11053539+01	.78991328+00
.62089486+00	.16553252+01	.43450797+00	.11071913+01	.79196099+00
.62133110+00	.16554496+01	.43410762+00	.11090393+01	.79401950+00
.62176733+00	.16555746+01	.43370687+00	.11108979+01	.79608881+00
.62220356+00	.16556992+01	.43330572+00	.11127671+01	.79816892+00
.62263980+00	.16558244+01	.43290417+00	.11146469+01	.79925983+00
.62307603+00	.16559502+01	.43250222+00	.11165373+01	.80036154+00
.62351226+00	.16560766+01	.43210087+00	.11184383+01	.80147405+00
.62394850+00	.16562036+01	.43169912+00	.11203499+01	.80259736+00
.62438473+00	.16563312+01	.43129697+00	.11222721+01	.80373147+00
.62482096+00	.16564594+01	.43089442+00	.11242059+01	.80487638+00
.62525720+00	.16565882+01	.43049147+00	.11261513+01	.80603209+00
.62569343+00	.16567170+01	.43008852+00	.11281077+01	.80719760+00
.62612966+00	.16568468+01	.42968557+00	.11300751+01	.80837311+00
.62656590+00	.16569766+01	.42928262+00	.11320535+01	.80955862+00
.62700213+00	.16571064+01	.42887967+00	.11340429+01	.81075413+00
.62743836+00	.16572362+01	.42847672+00	.11360433+01	.81195964+00
.62787460+00	.16573660+01	.42807377+00	.11380547+01	.81317515+00
.62831083+00	.16574958+01	.42767082+00	.11400771+01	.81439066+00
.62874706+00	.16576256+01	.42726787+00	.11421115+01	.81561617+00
.62918330+00	.16577554+01	.42686492+00	.11441579+01	.81685168+00
.62961953+00	.16578852+01	.42646197+00	.11462163+01	.81809719+00
.63005576+00	.16580150+01	.42605902+00	.11482867+01	.81935270+00
.63049200+00	.16581448+01	.42565607+00	.11503691+01	.82061821+00
.63092823+00	.16582746+01	.42525312+00	.11524635+01	.82189372+00
.63136446+00	.16584044+01	.42485017+00	.11545699+01	.82317923+00
.63180070+00	.16585342+01	.42444722+00	.11566883+01	.82447474+00
.63223693+00	.16586640+01	.42404427+00	.11588187+01	.82578025+00
.63267316+00	.16587938+01	.42364132+00	.11609611+01	.82709576+00
.63310940+00	.16589236+01	.42323837+00	.11631155+01	.82842127+00
.63354563+00	.16590534+01	.42283542+00	.11652819+01	.82975678+00
.63398186+00	.16591832+01	.42243247+00	.11674503+01	.83110229+00
.63441810+00	.16593130+01	.42202952+00	.11696307+01	.83245780+00
.63485433+00	.16594428+01	.42162657+00	.11718231+01	.83382331+00
.63529056+00	.16595726+01	.42122362+00	.11740275+01	.83519882+00
.63572680+00	.16597024+01	.42082067+00	.11762439+01	.83658433+00
.63616303+00	.16598322+01	.42041772+00	.11784723+01	.83797984+00
.63659926+00	.16599620+01	.42001477+00	.11807127+01	.83938535+00
.63703550+00	.16600918+01	.41961182+00	.11829651+01	.84080086+00
.63747173+00	.16602216+01	.41920887+00	.11852295+01	.84222637+00
.63790796+00	.16603514+01	.41880592+00	.11875059+01	.84366188+00
.63834420+00	.16604812+01	.41840297+00	.11897943+01	.84510739+00
.63878043+00	.16606110+01	.41800002+00	.11920947+01	.84656290+00
.63921666+00	.16607408+01	.41759707+00	.11944071+01	.84802841+00
.63965290+00	.16608706+01	.41719412+00	.11967315+01	.84950392+00
.64008913+00	.16610004+01	.41679117+00	.11990679+01	.85098943+00
.64052536+00	.16611302+01	.41638822+00	.12014163+01	.85248494+00
.64096160+00	.16612600+01	.41598527+00	.12037767+01	.85399045+00
.64139783+00	.16613898+01	.41558232+00	.12061491+01	.85550596+00
.64183406+00	.16615196+01	.41517937+00	.12085335+01	.85703147+00
.64227030+00	.16616494+01	.41477642+00	.12109299+01	.85856698+00
.64270653+00	.16617792+01	.41437347+00	.12133383+01	.86011249+00
.64314276+00	.16619090+01	.41397052+00	.12157587+01	.86166800+00
.64357900+00	.16620388+01	.41356757+00	.12181911+01	.86323351+00
.64401523+00	.16621686+01	.41316462+00	.12206355+01	.86480902+00
.64445146+00	.16622984+01	.41276167+00	.12230919+01	.86639453+00
.64488770+00	.16624282+01	.41235872+00	.12255503+01	.86799004+00
.64532393+00	.16625580+01	.41195577+00	.12280207+01	.86959555+00
.64576016+00	.16626878+01	.41155282+00	.12305031+01	.87121106+00
.64619640+00	.16628176+01	.41114987+00	.12329975+01	.87283657+00
.64663263+00	.16629474+01	.41074692+00	.12355039+01	.87447208+00
.64706886+00	.16630772+01	.41034397+00	.12380223+01	.87611759+00
.64750510+00	.16632070+01	.40994102+00	.12405527+01	.87777310+00
.64794133+00	.16633368+01	.40953807+00	.12430951+01	.87943861+00
.64837756+00	.16634666+01	.40913512+00	.12456495+01	.88101412+00
.64881380+00	.16635964+01	.40873217+00	.12482159+01	.88260963+00
.64924999+00	.16637262+01	.40832922+00	.12507943+01	.88422514+00
.64968623+00	.16638560+01	.40792627+00	.12533847+01	.88586065+00
.65012246+00	.16639858+01	.40752332+00	.12559871+01	.88751616+00
.65055870+00	.16641156+01	.40712037+00	.12586015+01	.88919167+00
.65099493+00	.16642454+01	.40671742+00	.12612279+01	.89088718+00
.65143116+00	.16643752+01	.40631447+00	.12638663+01	.89259269+00
.65186740+00	.16645050+01	.40591152+00	.12665167+01	.89430820+00
.65230363+00	.16646348+01	.40550857+00	.12691791+01	.89603371+00
.65273986+00	.16647646+01	.40510562+00	.12718535+01	.89776922+00
.65317610+00	.16648944+01	.40470267+00	.12745399+01	.89952473+00
.65361233+00	.16650242+01	.40429972+00	.12772383+01	.90129024+00
.65404856+00	.16651540+01	.40389677+00	.12799487+01	.90306575+00
.65448480+00	.16652838+01	.40349382+00	.12826711+01	.90485126+00
.65492103+00	.16654136+01	.40309087+00	.12854055+01	.90664677+00
.65535726+00	.16655434+01	.40268792+00	.12881519+01	.90845228+00
.65579350+00	.16656732+01	.40228497+00	.12909103+01	.91026779+00
.65622973+00	.16658030+01	.40188202+00	.12936807+01	.91209330+00
.65666596+00	.16659328+01	.40147907+00	.12964631+01	.91392881+00
.65710220+00	.16660626+01	.40107612+00	.12992575+01	.91577432+00
.65753843+00	.16661924+01	.40067317+00	.13020639+01	.91762983+00
.65797466+00	.16663222+01	.40027022+00	.13048823+01	.91949534+00
.65841090+00	.16664520+01	.39986727+00	.13077127+01	.92137085+00
.65884713+00	.16665818+01	.39946432+00	.13105551+01	.92325636+00
.65928336+00	.16667116+01	.39906137+00	.13134095+01	.92515187+00
.65971960+00	.16668414+01	.39865842+00	.13162759+01	.92705738+00
.66015583+00	.16669712+01	.39825547+00	.13191543+01	.92897289+00
.66059206+00	.16671010+01	.39785252+00	.13220447+01	.93089840+00
.66102830+00	.16672308+01	.39744957+00	.13249471+01	.93283391+00
.66146453+00	.16673606+01	.39704662+00	.13278615+01	.93477942+00
.66190076+00	.16674904+01	.39664367+00	.13307879+01	.93673493+00
.66233700+00	.16676202+01	.39624072+00	.13337263+01	.93869044+00
.66277323+00	.16677500+01	.39583777+00	.13366767+01	.94065595+00
.66320946+00	.16678798+01	.39543482+00	.13396391+01	.94263146+00
.66364570+00	.16680096+01	.39503187+00	.13426135+01	.94461697+00
.66408193+00	.16681394+01	.39462892+00	.13456000+01	.94661248+00
.66451816+00	.16682692+01	.39422597+00	.13485984+01	.94861799+00
.66495440+00	.16683990+01	.39382302+00	.13516088+01	.95063350+00
.66539063+00	.16685288+01	.39342007+00	.13546312+01	.95265901+00
.66582686+00	.16686586+01	.39301712+00	.13576656+01	.95469452+00
.66626310+00	.16687884+01	.39261417+00	.13607120+01	.95673999+00
.66669933+00	.16689182+01	.39221122+00	.13637704+01	.95879550+00
.66713556+00	.16690480+01	.39180827+00	.13668408+01	.96086101+00
.66757180+00	.16691778+01	.39140532+00	.13699232+01	.96293652+00
.66800803+00	.16693076+01	.39100237+00	.13730176+01	.96502203+00
.66844426+00	.16694374+01	.39059942+00	.13761240+01	.96711754+00
.66888050+00	.16695672+01	.39019647+00	.13792	

$$.49155393+01 = \Delta S/R$$

$$.28245050 + 03 = P_s/P_{\infty}$$

$$.41361259 + g1 = \rho_s / \rho_m$$

•68288662+02 = T./T.

227 TABLE 229. CONICAL FLOWFIELD $\theta_s = 30.0 \text{ DEG}$; $M_\infty = 27.5$

\underline{u}_s	\underline{M}_∞	$\underline{\theta}_s$	$\underline{\theta}_w$	
.82131663+00	.27500001+02	.52359876+00	.61609919+00	
\underline{e}	\underline{M}_1^*	$\underline{\psi}_1$	\underline{x}	\underline{r}
.52359876+00	.16426024+01	.52359876+00	.86602539+00	.50000000+00
.52665306+00	.16426177+01	.52056027+00	.87059762+00	.50619143+00
.52970736+00	.16426628+01	.51755232+00	.87528743+00	.51250176+00
.53276166+00	.16427371+01	.51457321+00	.88009940+00	.51893543+00
.53581595+00	.16428400+01	.51162129+00	.88503828+00	.52549711+00
.53887025+00	.16429708+01	.50869497+00	.89010911+00	.53219176+00
.54192455+00	.16431290+01	.50579271+00	.89531735+00	.53902466+00
.54497885+00	.16433141+01	.50291304+00	.90066878+00	.54600141+00
.54759682+00	.16434940+01	.50046159+00	.90537423+00	.55210041+00
.55021479+00	.16436931+01	.49802475+00	.91019337+00	.55831331+00
.55283276+00	.16439113+01	.49560163+00	.91513056+00	.56464432+00
.55545073+00	.16441483+01	.49319136+00	.92019030+00	.57109777+00
.55806870+00	.16444041+01	.49079307+00	.92537743+00	.57767829+00
.56068667+00	.16446786+01	.48840591+00	.93069698+00	.58439069+00
.56330464+00	.16449715+01	.48602901+00	.93615435+00	.59124015+00
.56548628+00	.16452297+01	.48405550+00	.94081155+00	.59705663+00
.56766792+00	.16455007+01	.48208804+00	.94557188+00	.60297536+00
.56984957+00	.16457844+01	.48012614+00	.95043911+00	.60899986+00
.57203121+00	.16460809+01	.47816929+00	.95541697+00	.61513374+00
.57421285+00	.16463902+01	.47621701+00	.96050961+00	.62138087+00
.57639449+00	.16467123+01	.47426879+00	.96572135+00	.62774535+00
.57857613+00	.16470473+01	.47232412+00	.97105664+00	.63423134+00
.58032145+00	.16473245+01	.47077059+00	.97541708+00	.63951071+00
.58206676+00	.16476100+01	.46921875+00	.97986232+00	.64487322+00
.58381207+00	.16479038+01	.46766830+00	.98439497+00	.65032133+00
.58555739+00	.16482060+01	.46611899+00	.98901793+00	.65585776+00
.58730270+00	.16485166+01	.46457054+00	.99373411+00	.66148522+00
.58904801+00	.16488357+01	.46302265+00	.99854667+00	.66720667+00
.59079333+00	.16491633+01	.46147504+00	.10034588+01	.67302503+00
.59210231+00	.16494147+01	.46003143+00	.10072103+01	.67745443+00
.59341130+00	.16496709+01	.45915350+00	.10110213+01	.68194155+00
.59472028+00	.16499321+01	.45799240+00	.10148934+01	.68648785+00
.59602927+00	.16501982+01	.45683089+00	.10188281+01	.69109488+00
.59733825+00	.16504693+01	.45566885+00	.10228271+01	.69576416+00
.59864704+00	.16507459+01	.45450601+00	.10268917+01	.70049669+00
.59995574+00	.16510276+01	.45334229+00	.10310239+01	.70529443+00
.60082820+00	.16512183+01	.45256595+00	.10338174+01	.70853021+00
.60170066+00	.16514113+01	.45178915+00	.10366425+01	.71179643+00
.60257313+00	.16516066+01	.45101184+00	.10394998+01	.71509366+00
.60344559+00	.16518043+01	.45023398+00	.10423900+01	.71842254+00

TABLE 229. (Concluded)

$$M_{\infty} = .27500001+02$$

$$\Theta_s = .52359876+00$$

Θ	M_1^*	ψ_1	x	r
.60431805+00	.16520042+01	.44945554+00	.10453136+01	.72178353+00
.60519052+00	.16522066+01	.44867644+00	.10482714+01	.72517731+00
.60606298+00	.16524113+01	.44789666+00	.10512640+01	.72860447+00
.60649921+00	.16525146+01	.44750649+00	.10527735+01	.73033075+00
.60693544+00	.16526185+01	.44711612+00	.10542920+01	.73206563+00
.60737167+00	.16527229+01	.44672557+00	.10558196+01	.73380920+00
.60780790+00	.16528281+01	.44633481+00	.10573563+01	.73556149+00
.60824414+00	.16529337+01	.44594383+00	.10589023+01	.73732267+00
.60868037+00	.16530401+01	.44555264+00	.10604576+01	.73909270+00
.60911660+00	.16531470+01	.44516123+00	.10620223+01	.74087178+00
.60955283+00	.16532545+01	.44476958+00	.10635965+01	.74265993+00
.60998906+00	.16533627+01	.44437771+00	.10651804+01	.74445730+00
.61042529+00	.16534715+01	.44398558+00	.10667739+01	.74626391+00
.61086152+00	.16535809+01	.44359320+00	.10683773+01	.74807990+00
.61129776+00	.16536910+01	.44320058+00	.10699906+01	.74990538+00
.61173399+00	.16538017+01	.44280769+00	.10716139+01	.75174040+00
.61217022+00	.16539131+01	.44241454+00	.10732474+01	.75358505+00
.61260645+00	.16540250+01	.44202109+00	.10748911+01	.75543948+00
.61304268+00	.16541376+01	.44162738+00	.10765451+01	.75730371+00
.61347891+00	.16542509+01	.44123337+00	.10782096+01	.75917797+00
.61391515+00	.16543648+01	.44083905+00	.10798847+01	.76106224+00
.61435138+00	.16544794+01	.44044444+00	.10815704+01	.76295666+00
.61478761+00	.16545947+01	.44004952+00	.10832670+01	.76486135+00
.61522384+00	.16547105+01	.43965429+00	.10849745+01	.76677645+00
.61566007+00	.16548271+01	.43925871+00	.10866930+01	.76870202+00
.61609630+00	.16549443+01	.43886279+00	.10884227+01	.77063814+00
.61609919+00	.16549451+01	.43886016+00	.10884341+01	.77065100+00

$$.51943572+01 = \Delta S/R$$

$$.34147787+03 = P_s/P_{\infty}$$

$$.41457948+01 = \rho_s/\rho_{\infty}$$

$$.82367288+02 = T_s/T_{\infty}$$

TABLE 230. CONICAL FLOWFIELD $\theta_s = 30.0$ DEG; $M_\infty = 30.0$

u_s	M_∞	θ_s	θ_w	
.82167269+00	.30000036+02	.52359876+00	.61587735+00	
θ	M_1^*	ψ_1	x	r
.52359876+00	.16433145+01	.52359876+00	.86602539+00	.50000000+00
.52665306+00	.16433298+01	.52056027+00	.87060744+00	.50619715+00
.52970736+00	.16433749+01	.51755232+00	.87530746+00	.51251349+00
.53276166+00	.16434493+01	.51457319+00	.88012997+00	.51895346+00
.53581595+00	.16435522+01	.51162124+00	.88507984+00	.52552179+00
.53887025+00	.16436830+01	.50869489+00	.89016216+00	.53222348+00
.54192455+00	.16438413+01	.50579259+00	.89538237+00	.53906380+00
.54497885+00	.16440265+01	.50291283+00	.90074624+00	.54604837+00
.54759682+00	.16442064+01	.50046130+00	.90546285+00	.55215444+00
.55021479+00	.16444056+01	.49802437+00	.91029359+00	.55837478+00
.55283276+00	.16446239+01	.49560113+00	.91524282+00	.56471359+00
.55545073+00	.16448611+01	.49319071+00	.92031503+00	.57117518+00
.55806870+00	.16451170+01	.49079205+00	.92551515+00	.57776426+00
.56068667+00	.16453916+01	.48840489+00	.93084821+00	.58448565+00
.56330464+00	.16456847+01	.48602777+00	.93631966+00	.59134455+00
.56592261+00	.16459430+01	.48405404+00	.94098903+00	.59716926+00
.56854058+00	.16462141+01	.48208634+00	.94576203+00	.60307662+00
.57115855+00	.16464981+01	.48012417+00	.95064227+00	.60913005+00
.57377652+00	.16467948+01	.47816703+00	.95563071+00	.61527329+00
.57639449+00	.16471042+01	.47621443+00	.96074042+00	.62153019+00
.57901246+00	.16474265+01	.47426586+00	.96596675+00	.62790486+00
.58163043+00	.16477617+01	.47232081+00	.97131728+00	.63440157+00
.58424840+00	.16480391+01	.47076695+00	.97569034+00	.63968987+00
.58686637+00	.16483248+01	.46921475+00	.98014855+00	.64506159+00
.58948434+00	.16486188+01	.46766394+00	.98469459+00	.65051927+00
.59210231+00	.16489212+01	.46611423+00	.98933139+00	.65606563+00
.59472028+00	.16492320+01	.46456534+00	.99406188+00	.66170341+00
.59733825+00	.16495514+01	.46301700+00	.99888925+00	.66743557+00
.60000000+00	.16498793+01	.46146891+00	.10038167+01	.67326508+00
.60261797+00	.16501309+01	.46003078+00	.10075800+01	.67770309+00
.60523594+00	.16503873+01	.45914659+00	.10114031+01	.68219907+00
.60785391+00	.16506487+01	.45798507+00	.10152876+01	.68675452+00
.61047188+00	.16509151+01	.45682313+00	.10192351+01	.69137096+00
.61308985+00	.16511864+01	.45566064+00	.10232473+01	.69604998+00
.61570782+00	.16514633+01	.45449726+00	.10273251+01	.70079216+00
.61832579+00	.16517454+01	.45333304+00	.10314711+01	.70560020+00
.62094376+00	.16519362+01	.45255636+00	.10342741+01	.70884302+00
.62356173+00	.16521294+01	.45177921+00	.10371088+01	.71211647+00
.62617970+00	.16523249+01	.45100153+00	.10399760+01	.71542110+00
.62879767+00	.16525227+01	.45022330+00	.10428762+01	.71875747+00

TABLE 230. (Concluded)

$$M_{\infty} = .30000036+02$$

$$\Theta_s = .52359876+00$$

Θ	M_1^*	ψ_1	x	r
.60431796+00	.16527229+01	.44944448+00	.10458100+01	.72212613+00
.60519042+00	.16529255+01	.44866499+00	.10487783+01	.72552779+00
.60606288+00	.16531305+01	.44788481+00	.10517815+01	.72896297+00
.60649911+00	.16532338+01	.44749443+00	.10532964+01	.73069333+00
.60693534+00	.16533378+01	.44710386+00	.10548204+01	.73243234+00
.60737158+00	.16534424+01	.44671309+00	.10563534+01	.73418003+00
.60780781+00	.16535476+01	.44632211+00	.10578957+01	.73593658+00
.60824404+00	.16536534+01	.44593092+00	.10594473+01	.73770194+00
.60868027+00	.16537598+01	.44553950+00	.10610082+01	.73947632+00
.60911650+00	.16538669+01	.44514786+00	.10625786+01	.74125972+00
.60955273+00	.16539745+01	.44475599+00	.10641587+01	.74305232+00
.60998897+00	.16540828+01	.44436388+00	.10657483+01	.74485411+00
.61042520+00	.16541918+01	.44397152+00	.10673478+01	.74666522+00
.61086143+00	.16543013+01	.44357891+00	.10689571+01	.74848572+00
.61129766+00	.16544115+01	.44318604+00	.10705764+01	.75031581+00
.61173389+00	.16545223+01	.44279291+00	.10722059+01	.75215548+00
.61217012+00	.16546338+01	.44239949+00	.10738455+01	.75400489+00
.61260635+00	.16547459+01	.44200581+00	.10754954+01	.75586407+00
.61304259+00	.16548587+01	.44161183+00	.10771558+01	.75773314+00
.61347882+00	.16549721+01	.44121756+00	.10788267+01	.75961229+00
.61391505+00	.16550861+01	.44082299+00	.10805081+01	.76150148+00
.61435128+00	.16552008+01	.44042812+00	.10822004+01	.76340094+00
.61478751+00	.16553162+01	.44003293+00	.10839035+01	.76531067+00
.61522374+00	.16554322+01	.43963741+00	.10856177+01	.76723086+00
.61565997+00	.16555489+01	.43924155+00	.10873429+01	.76916160+00
.61587735+00	.16556673+01	.43904418+00	.10882068+01	.77012765+00

$$.54499542+01 = \Delta S/R$$

$$.40612439+03 = P_s/P_{\infty}$$

$$.41531894+01 = \rho_s/\rho_{\infty}$$

$$.97786148+02 = T_s/T_{\infty}$$

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